

THE SCRAWLS

a publication of

Coalition of Homeschoolers Across Lancaster County

Join us!



The various positions on the CHALC Board are filled by fellow volunteer homeschool parents. If you would like to learn more about the Board and its activities, please contact us at mail@chalc.org.

CHALC Homeschool Group Membership for the 2021/2022 school year is just \$25 a family! If a family is in more than one CHALC homeschool group a rebate is offered.

Co-Op members are invited to attend opening devotions and share a public comment. Contact mail@chalc.org to be placed on the agenda for public comment. Meeting sites may change.

Graduates' Updates

Next Meeting: Thur. May 19, 2022 7:00 - 9:00pm

Harvest Bible Church - 1460 Eden Road, Lancaster

Ceremony: Friday, May 27, 2022 7:00pm



Learning Co-ops & Sports
Leadership Events & Support
A Website for Each of our Groups
Liability Insurance for Co-op Activities
Educational Developments & Tips
Updates on Homeschool Legislation
Annual Graduation Ceremony
Music, Art, & Other Lessons
Field Trip Announcements
Homeschool Evaluators Listing
Recognition of Student Achievement
Local Resources & Events
Homeschooling Discounts
...Even more items of interest to Homeschoolers!

CHALC Provides...

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Timothy Birmingham, son of Tim and Trudie Birmingham, has homeschooled 11 years and was a dual enrollment student. Timothy works at Bird-in-Hand Family Restaurant & Smorgasbord and attends Redeemed Life Church. He enjoys golfing, chess, piano, spending time with friends and family, and studying doctrine and biblical principles. He will continue attending HACC for his associate degree in Mathematics/Computer Science before transferring to receive his Software Engineering degree. His favorite verse is Jeremiah 29:11, "For I know the thoughts that I think toward you," saith the Lord, "thoughts of peace, and not of evil, to give you an expected end."



Brian Paul Boyer III, son of Brian & Crystal Boyer of Palmyra, has been home educated 12 years; he now attends Lebanon Valley College. Brian enjoys entrepreneurship and plans to continue growing his lawn care business, among others. Brian attends Shabbat Group PA and has been involved in co-ops including CHESS and CHECKERS. Brian's hobbies typically involve guns and cars. He has volunteered with food banks and with Israeli farmers. Psalm 144:2, "He is my goodness and my fortress, my tower and my deliverer, my shield and in him I trust."



Michelle Leigh-Ting Brown, daughter of James and Lisa Brown, has been homeschooled for her whole life, attended CHASE Academy, and has earned a Mason Dixon diploma with academic honors. Michelle works at Landis Antiques and Uniques. She attends Worship Center and is part of the Converge youth group. She enjoys reading, volleyball, and outside activities like hiking and camping. After graduation, she plans to attend Penn State University to begin a path to become a veterinarian. Her favorite verse is Exodus 14:14, "The LORD himself will fight for you. Just stay calm."



Nathanael Cassel, son of Jere and Juanita Cassel, has been homeschooled for 4 years. He attended Conestoga Valley and Learning Station co-ops and has earned a parent-issued diploma. Nathanael works at Weaver's Store Leola and attends Conestoga Church of the Brethren, where he has helped with sound. He enjoys playing games with family and working with his hands. After graduation, he plans to work at Woodcrest Retreat for the summer and then find a job in maintenance work. His favorite verse is 2 Corinthians 4:8, "We are afflicted in every way, but not crushed; perplexed, but not driven to despair."

Congratulations, Graduates!



Jackson, son of Kevin and Jennifer Clough, was homeschooled for 13 years and has earned a parent-issued diploma. Jackson attended Treasures of Grace co-op and Lancaster Alliance Church, and competed in TEACH athletics. He enjoys working in the commercial electrical field, playing for PA Classics soccer as goalkeeper, and playing the piano. After graduation, he is committed to Lancaster Bible College for soccer and is looking at a major in business administration. His favorite verse is Micah 6:8b, “And what does the Lord require of you? To act justly and to love mercy and to walk humbly with your God.”



Jasmine, daughter of Ryan and Jen Eberly, has been homeschooled for 12 years, attended TEACH co-op, and is receiving a Mason Dixon diploma. Jasmine attends Vibrant Church and volunteers at Hands of Hope. She enjoys painting, photography, calligraphy, gardening, soccer, stargazing, and just being outside enjoying God’s creation. She is still figuring out how God desires her to use her artistic abilities for His glory. Jasmine’s favorite verse is Joshua 1:9, “Have I not commanded you? Be strong and courageous. Do not be afraid. Do not be discouraged. For the Lord your God will be with you wherever you go.”



Nathan Fenstermaker, son of Chris and Jennie, has been homeschooled for 12 years and was a part of CCA and AGAPE Co-op. He earned a Mason Dixon diploma. Nathan attends The Water’s Edge where he helps lead worship. Nathan enjoys playing piano and ukulele, tricking, being outside, and playing video games. After graduation, he will pursue his passion with music and worship. A favorite Bible verse is Psalm 95:6-7, “So come, let us worship before him, on your knees before God who made us! Oh yes, he’s our God, and we’re the people he pastures, the flock he feeds.”



Luke Charles Gockley, son of Lamar and Michelle Gockley, was homeschooled for 12 years and is receiving an Erie General Diploma with a specialization in agriculture. He attends Vibrant Church and TEACH co-op. Luke enjoys building large Lego sets and talking about pickup trucks. He plans to get his CDL and travel out west on a custom harvest crew in 2023. His favorite Bible verse is Jeremiah 29:11, “‘For I know the plans I have for you,’ declares the Lord, ‘plans to prosper you and not to harm you, plans to give you hope and a future.’”



Jesse Courage Griffitts, son of Gene and Sandie Griffitts, has been homeschooled his whole life. He attended Conestoga Valley Homeschoolers, and earned a Mason Dixon diploma. Jesse works at Keystone Wood Specialties and attends Crossway Church. He enjoys playing guitar and singing. After graduation Jesse plans to continue working at Keystone Wood Specialties. His favorite verses are Psalm 9:1-2, “I will give thanks to you, LORD, with all my heart; I will tell of all your wonderful deeds. I will be glad and rejoice in you; I will sing the praises of your name, O Most High.”



Lauren Groff, daughter of Matthew and Julie Groff, has been homeschooled for 13 years, attended Cornerstone co-op and the Lancaster Academy for the Performing Arts, and earned a Mason Dixon diploma with academic honors. She attends Calvary Church where she volunteers in a Sunday School class and is on the worship team. She enjoys playing guitar, drawing, embroidering, and working at Fox Meadows Creamery. After graduation, Lauren plans to go to college and major in International Studies. Her favorite Bible verse is Romans 8:37, “We are more than conquerors through him who loved us.”

Congratulations, Graduates!



Joshua C. Haddon, son of Chuck and Suzanne Haddon, has homeschooled his entire life, attended TEACH and earned a parent-issued diploma. He is involved in Boy Scouts and will soon receive the rank of Eagle Scout. Josh worked for RadioShack and Keystone Quality Motors. He Bible-quizzed two years at Calvary Monument Bible Church. Josh and his brother intend to open an auto detailing business. A favorite verse is John 16:33, "I have said these things to you, that in me you may have peace. In the world you will have tribulation. But take heart; I have overcome the world."



Caleb Samuel Haldeman, son of Fred and Teresa Haldeman, homeschooled for 12 years, attended Tapestry Co-op and earned his Mason-Dixon Diploma. Caleb will work full-time and pursue God's will for his life in Christian ministry. Caleb works at Scenic Road Mfg. and attends Rockville Church, where he assists the audio team. He enjoys working, hanging out with friends, and sports, especially Ultimate Frisbee and baseball. His favorite verse is Isaiah 43:1, "Now, says the Lord, who created you, and He who formed you: 'Fear not, I have redeemed you; I have called you by your name: You are mine'."



Grace Lynette Herr, daughter of Tom and Shirley Faye Herr, was homeschooled for twelve years and will receive a Susquehanna Valley diploma. Gracie is a licensed PIAA basketball official and EMT. She enjoys Bible quizzing and playing basketball. Gracie has served on mission trips to Haiti, Costa Rica, Texas, Tennessee, and medical/dental missions in Honduras and Dominican Republic. Gracie has taken classes at HACC and Maranatha and plans to attend Pensacola Christian College for Nursing with hopes to be involved in missions. Her favorite Bible verse is 1 Corinthians 16:14, "Let all that you do be done with love."



Dennis Hertzler, son of Carla and Tony Hertzler, has been homeschooled all his life, attended CHASE and CVHomeschoolers co-ops, and earned a parent-issued diploma. Dennis works at Sheehan Carpentry & Remodeling and attends Pursuit Church where he's gone on two Mexico mission trips. He enjoys working on his 1973 Dodge Charger, going to the gym, and traveling. After graduation, he plans to do trade work before joining the Marine Corps. His favorite verse is Proverbs 27:17, "Iron sharpens iron, so one person sharpens another."



Caitlin Michaela Hofstetter, daughter of David and Theia Hofstetter, has been homeschooled one year and has earned a Mason Dixon diploma. Caitlin attends LifeGate Church and enjoys baking, singing, reading, swimming, photography and biking. She also enjoys various types of crafting such as hand-knitting, embroidery and jewelry making. After graduation, Caitlin plans to turn her crafting hobbies into a business, and may pursue higher education after a gap year. Her favorite verse is Proverbs 31:25, "She is clothed with strength and dignity and she laughs without fear of the future."



Aaron Hostetter, son of Jim and Julie Hostetter, has homeschooled for 12 years, attended CHASE Academy co-op, and earned a Susquehanna Valley diploma. Aaron works at RSG Design and attends Strasburg Mennonite Church, where he participates in the youth group, and helps with Vacation Bible School and sound booth. He enjoys working on his Jeep, hunting, 3D printing, fixing anything, and Bible quizzing. After graduation, he plans to travel west and then pursue engineering. His favorite Bible verse is Psalm 100:4, "Enter his gates with thanksgiving and his courts with praise; give thanks to him and praise his name."

Congratulations, Graduates!



Anna Elizabeth Humbert, daughter of Nathan and Susan Humbert, has been homeschooled since kindergarten and will be receiving a Mason Dixon diploma. Anna attends Calvary Church in Lancaster. She enjoys writing, singing, playing piano, sewing and photography. Anna plans to continue working and hopes to take some classes through a local college. She is excited to see what the Lord has planned for her life! One of her favorite verses is 2 Samuel 22:31, "As for God, His way is perfect; the Word of the Lord is proven; He is a shield to all who trust in Him."



Sentinaro Isabella Imchen, daughter of Toshi and Beth Imchen, has been homeschooled all her life and will be receiving a Mason Dixon diploma. Isabella currently works for her family's business and attends New Life Church. She danced at Cavod for six years and enjoys staffing at David's Tent in Washington, DC. After graduation her goal is to use her gifts and passions to help end human trafficking. Her favorite Bible verse is Psalms 16:7, "The way You counsel me makes me praise You more, for Your whispers in the night give me wisdom, showing me what to do next."



Tajunginla Kate Imchen, daughter of Beth and Toshi Imchen, has been homeschooled all her life and will be receiving a Mason Dixon diploma. Kate works for the family business and attends New Life Church where she participates on the worship team. She danced at Cavod Arts for six years and also participated in Breakthrough 2020, a sixty-day prayer strike in Washington, DC. After graduation, Kate plans to go to Liberty University for cyber security where she will use her degree to help fight human trafficking. Her favorite verse is 1 Timothy 6:6, "But godliness with contentment is great gain."



Daniel Jean, son of Louis and Tracy Jean, has been homeschooled for 12 years, and has earned an honorary diploma along with an associate degree from Harrisburg Community College as a dual-enrolled student. Daniel works at Mulberry Art Studios and attends Redeemed Life Church where he is part of the music team. He enjoys spending time with family and friends, playing instruments, exercising, and filmmaking. After graduation, he plans to attend Penn State for Biomedical Engineering. His favorite verse is Psalm 37:4, "Delight thyself also in the LORD; and he shall give thee the desires of thine heart."



Rebecca Kuhl, daughter of Walter and Robin Kuhl, has been homeschooled for 13 years. Rebecca attended CV Homeschoolers co-op and will be receiving a Mason Dixon diploma. Rebecca works at Cherry Crest Adventure Farm and Shenk's Poultry. She has attended Refton BIC where she helps on the worship team. Rebecca has done many activities and after graduation, plans on taking a gap year to work. Her favorite Bible verse is Jeremiah 29:11, "'For I know the plans I have for you,' declares the LORD."



Julia Lane, daughter of Casey and Jennifer Lane, has been homeschooled for 13 years, participated in Tapestry Co-op, and has earned a Mason Dixon diploma. Julia works at Dairy Queen and attends Palmyra United Zion Church. She has gone on several mission trips to an orphanage in Mexico. She enjoys drawing and baking, and she did ballet, lyrical, and jazz dance for many years. She has taken classes at Lancaster Bible College and HACC, and after graduation, she plans to pursue a nursing degree. Her favorite verse is Romans 12:10, "Be devoted to one another. Honor one another above yourselves."

Congratulations, Graduates!



Soren Lefeve, daughter of Carl and Amy, was homeschooled for 12 years. She has attended Tapestry and Learning Station co-ops and will receive a Susquehanna Valley diploma. Soren works at Bird-in-Hand Stage and enjoys all things theatre. In her spare time, she likes hanging with friends and family, singing, and exploring cute cafes and shops. After graduating, Soren plans to spend the next year exploring the world around her. “But those who hope in the Lord, will renew their strength. They’ll soar on wings like eagles; they’ll run and not grow weary, they’ll walk and not be faint.” Isaiah 40:31



Dallas Ludwig, son of Andy and Jill Ludwig, has been homeschooled his whole life and is affiliated with TEACH. He will be receiving an Erie County Homeschool diploma. He attends Terre Hill Bible Fellowship and is active in the youth group. He is graduating from Berks CTC for Media Content Production and is working with Stoltzfus Structures as the Social Media Manager where he will continue to work after graduation. He’s played soccer for TEACH and plays volleyball, softball, and Ultimate Frisbee. He loves exploring the outdoors. His favorite verse is James 1:12, “Blessed is the one who perseveres under trial.”



Rebekah Ann Martin, daughter of Keith and Melanie, has been homeschooled since kindergarten. Rebekah enjoys hiking, canoeing, showing pigs and steers, playing basketball for CHASE Chargers, raising milk sheep and Bible quizzing. Rebekah has over 500 black and white friends that she milks at Furnace Hill Holsteins and Fahnstock Farms. Past mission trips that Rebekah has enjoyed include running a kids camp in Saint Croix, leading VBS in Texas, building a house in Mexico, and repairing homes in Louisiana. This summer Rebekah will be serving at an orphanage in Nepal. She will then attend Montana Wilderness School of the Bible. I Chron 16:11, “Seek the Lord and His strength; seek His presence continually.”



Lauren Faith McIntyre, daughter of Desiree G. McIntyre, has been lovingly homeschooled for 12 years and has earned a parent-issued diploma. Lauren enjoys attending Faith Bible Fellowship Church of Spring City. Some of her favorite hobbies include archery, drawing, painting, and making music. She also greatly enjoys cooking and baking for her friends and family. Lauren plans to return to her job as summer staff at Pinebrook Bible Conference this year. Lauren’s favorite Bible verse is Exodus 15:2, “The Lord is my strength and song, and he is become my salvation: he is my God... and I will exalt him.”



Anna Mease, daughter of Dave and Amy Mease, has been homeschooled for 13 years. She has been involved in TEACH and has earned a Mason-Dixon diploma. Anna attends Crossway Church. While involved in American Heritage Girls, Anna earned the Dolly Madison award. She enjoys basketball, gymnastics, volleyball, and soccer. In her spare time, Anna enjoys photography and outdoor adventures. After graduation, Anna plans to continue working at Fox Meadows Creamery while pursuing an on-line degree in business and marketing. Her favorite Bible verse is 1 Corinthians 16:14, “Let all that you do be done in love.”



Molly Ruth Ochs, daughter of Chris and Jennine, has been homeschooled for 4 years, attended TEACH and SEEK Co-ops, and has earned a diploma from Erie County Homeschool Diploma Association. Molly works at Chick-fil-A and Spring Creek Farms and attends Victory Baptist Church where she plays flute on the worship team. Molly enjoys hunting, archery, and horseback riding. After graduation, she plans to get her veterinary technician degree through Penn Foster. Her favorite verse is Isaiah 40:31, “But those who wait on the Lord shall renew their strength; they shall mount up on wings like eagles.”

Congratulations, Graduates!



Isabelle Marie Olenik, daughter of Andrew and Mary Olenik, has been homeschooled for 12 years and attended Cornerstone Homeschoolers. She has earned an Erie County Homeschool diploma. Isabelle attends Saint Leo the Great Roman Catholic Church and participates in OneVoice Youth Group where she has attended multiple youth and mission retreats. She enjoys musical theatre, literature and creative writing, and spending time with her family and friends. After graduation, she plans to attend Grove City College for social work. Her favorite Bible verse is Jeremiah 29:11, "For I know the plans I have for you," declares the Lord."



Ruth Janelle Osman, daughter of George and Betsy Osman, has been homeschooled her entire life, attended Cornerstone and MACH co-ops, and has earned a Mason Dixon Diploma with Academic Honors in English. Ruth attends Grace Baptist Church of Millersville where she helps with the AWANA program. She enjoys her cleaning jobs, playing volleyball, piano, cello, and loves spending time with friends. After graduation, she hopes to attend El School of Biblical Training. Her favorite verse is 2 Corinthians 12:9, "My grace is sufficient for you, for my power is made perfect in weakness."



McKaylee Phan, daughter of Chris and Mary Phan, has been homeschooled for 9 years, attended MACH co-op, and has earned a Mason Dixon diploma. She attends Parkview Mennonite Church. McKaylee enjoys children, the outdoors, reading, and baking. After graduation, she plans to begin working full time in child care. A favorite Bible verse of hers is Deuteronomy 31:8, "The Lord himself goes before you and will be with you; He will never leave nor forsake you. Do not be afraid; do not be discouraged."



Janae Sauder, daughter of Randy and Karen Sauder, has been homeschooled for four years, attending Tapestry co-op. She has earned an Erie Homeschool diploma. Janae works at Mountain Man Mobile Processing. She attends Dove Westgate Church and Metzler youth group. She enjoys hanging out with her friends. After graduation, she plans to continue working. Her favorite chapter in the Bible is Psalm 46, which begins, "God is our refuge and strength, an ever-present help in trouble."



Madison Saylor, daughter of Dennis and Michele, went to LAMS until 8th grade and then was homeschooled for four years. She attended MACH, Cornerstone, and Learning Station co-ops and played volleyball for Ephrata High School. Madison is active at Middle Creek Church, and has a job feeding calves. She continues to seek God's direction in her future plans. One of Madison's favorite verses is Proverbs 19:20-21, "Listen to advice and accept discipline, and at the end you will be counted among the wise. Many are the plans in a person's heart, but it is the Lord's purpose that prevails."



Jadon Alexander Scheidel, son of Adam and Rebecca, has always been homeschooled. During high school, he attended TEACH co-op and Berks CTC, and he has earned a PHAA diploma. Jadon attends Saint Benedict's Church, where he is active in weekend ministry and youth events. He worked summers as a lifeguard at Woodcrest Retreat and is currently working at Stampede BBQ. In his spare time, he enjoys playing soccer and volleyball, swimming, and hiking. After graduation, Jadon plans to pursue a degree in Communications. His favorite Bible verse is 1 Peter 5:7, "Cast all your anxieties on him, for he cares about you."

Congratulations, Graduates!



Cyrus Allan Schick, son of Steve and Becky, has been learning at home his whole life. He attends Providence Church where he helps with sound and tech. Cyrus enjoyed playing clarinet for Solanco's marching band, concert band, orchestra pit, and county band. He works at Papa Joe's at the Buck. Cyrus will pursue his talents at Thaddeus Stevens, studying networking or electronics. His favorite verses are Proverbs 3:5-6, "Trust in the Lord with all your heart; do not depend on your own understanding. Seek His will in all you do, and He will show you which path to take."



Arielle Shenk, daughter of Merle and Cheree Shenk, has homeschooled for 12 years, taken classes at LBC, and received a PA State diploma. She lived in South Africa for 12 years and serves on the worship team at Newport Church. She loves to write, sing, and have tea with friends. Her favorite verse is Isaiah 61:3, "To all who mourn in Israel, he will give a crown of beauty for ashes, a joyous blessing instead of mourning, festive praise instead of despair. In their righteousness, they will be like great oaks that the LORD has planted for his own glory."



Noah Shenk, son of Roger and Donna Shenk, has been homeschooled for 13 years, attended the Conestoga Valley Homeschool co-op and will be receiving a parent-issued diploma. Noah works at Harmony Painting and Restoration and attends Calvary Church. He likes driving, working on project cars, and weightlifting. After graduation, he plans to attend Lancaster County CTC to pursue a career in truck driving. His favorite verse is Joshua 1:9, "Have I not commanded you? Be strong and courageous. Do not be afraid; do not be discouraged, for the Lord your God will be with you wherever you go."



Aidan Joel Shirk, son of Todd and Carol, homeschooled for 10 years, attending Petra Home School Support Group and Lancaster Academy of the Performing Arts. Aidan has earned a Susquehanna Valley Diploma and works at Binkley & Hurst in Lititz, where he plans to continue as an ag equipment technician. He attends Metzler Mennonite Church and serves on a worship team. Aidan enjoys disc golf, Ultimate Frisbee, percussion, and photography. His favorite verse is Mark 12:30, "Love the LORD your God with all your heart and with all your soul and with all your mind and with all your strength."



Tyler Christian Tommasi, son of Casey and Missy Tommasi, has been homeschooled for 8 years, attended Learning Station co-op, and has earned a parent-issued diploma. Tyler works at Restoration Relief and Giant. He attends LEFC and plans to go to South Africa on a mission trip this summer. He enjoys working out, baseball and boxing. After graduation, he plans to attend HACC for Criminal Justice. His favorite verse is Isaiah 43:2, "When you pass through the waters, I will be with you; and when you pass through the rivers, they will not sweep over you."



Autumn Weaver, daughter of Gary and Judy Weaver, has been homeschooled for 13 years, attended TEACH co-op, and has earned a Mason Dixon diploma. Autumn works at Dairy Queen and attends Ephrata Community Church, where she has served on the youth worship team and Bible quizzed for a number of years. She also enjoys all kinds of sports, especially basketball, soccer, and volleyball. Some of her other hobbies include art, music, and hanging out with friends. After graduation, Autumn is considering attending Lancaster Bible College. Her favorite Bible verse is Romans 12:9a, "Let love be genuine."

Congratulations, Graduates!



Ladea Weaver, daughter of Eric and Connie Weaver, has been homeschooled her whole life, attended Treasures of Grace co-op, and participated in the LAPA choir. She has earned a Mason Dixon diploma. Ladea works at Landis Technologies as a secretary and attends Living Christ Church where she helps in children’s ministry. She enjoys listening to music, playing piano, and creating art. After graduation, she plans to work full-time and see where God leads. One of her favorite verses is 2 Corinthians 12:9, “My grace is sufficient for you, for my power is made perfect in weakness.”



Miyah Wipf, daughter of Mike and Nancy, has been homeschooled for 6 years, attended Tapestry of Friends and CHEX co-ops, and has earned a parent-issued diploma. Miyah has babysitting and cleaning jobs and attends Charity Christian Fellowship. She enjoys reading, hanging out with friends, and puzzling. After graduation, Miyah plans to pursue God’s will for her future. Her favorite verse is Psalm 46:5, “God is within her, she will not fall. God will help her at break of day.”



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SCHOLARSHIPS AVAILABLE

Send your name and contact info with 100 words on why you want to attend City on the Hill to scrawls@chal.org by May 20!

(Winners will be drawn at random.)



CITY ON THE HILL

YOUTH LEADERSHIP & WORLDVIEW CONFERENCE

July 17-23, 2022

Lancaster Bible College & Pennsylvania Capitol

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A life-changing, biblical worldview and leadership camp for high-school teens.

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“City on the Hill is the most spectacular training program anywhere in the country.”

Scott Klusendorf, Life Training Institute

“My daughter is about to graduate college and I point to City on the Hill as cementing the foundation in her faith in Jesus Christ and living out the faith.”





Learning Station

Our parent-run homeschool co-op meets at Lancaster Evangelical Free Church (LEFC) in Lititz, PA. Elementary classes run for 10 weeks per semester while 7th-12th grade students attend upper level classes for 10-15 weeks per semester.

Learning Station offers two tracks to membership: co-op track and upper level only track. Co-op track members teach and serve within Learning Station. This track is required for all families with enrolled elementary-aged children or those with older students who wish to participate in Learning Station's Theater Arts program. Upper level only track registration is open to families with 7th-12th grade students after co-op track students have registered.

Elementary classes vary from year to year. Learning Station's members' interests and talents dictate the subjects and topics taught. Our elementary classes are designed to supplement your home curriculum--not replace it. Therefore, most of the work will be done in class. Our upper level classes, however, include "for credit" academic courses as well as "enrichment" options.

2022-23 Calendar

August 31, 2022 First day for fall semester 15 & 30 week UL classes

September 7, 2022 First day for 10 week UL classes

October 19, 2022 Break for 10 week classes/ Virtual Learning Day for 15 week classes

November 16, 2022 Last day for fall semester 10 week classes

November 23, 2022 Thanksgiving Break

December 14, 2022 Last day for fall semester classes

December 21 & 28, 2022 Christmas Break

January 4, 2023 First day for spring semester 15 & 30 week UL Classes

February 8, 2023 First day for spring semester 10 week UL Classes

March 22, 2023 Snow Make Up or Spring Break

April 19, 2023 Last day for spring semester 10, 15 & 30 week classes

Learn more about us at

<https://www.homeschool-life.com/pa/lscoop/>

2022-23 Learning Station Upper Level Class Schedule

*indicates ULB class. The fees for ULB classes are waived for co-op track families.

	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
9:05am - 10:35am	Session 1 Fall Spanish 1A <i>Kimberly Paine</i>	Option 2 Physics <i>Mark Campbell</i>	Option 3 American History I 9:05-10:05 <i>Ellen Campbell</i>	Option 4 Comparative Religions* <i>Christi Minnich</i>	Option 5 Sewing <i>Leigh Ann Rohrer</i>	Option 6 Wildlife Management* <i>Stacy Dieffenbach</i>
			Spring American History II 9:05-10:05 <i>Ellen Campbell</i>	Creative Writing* <i>Christi Minnich</i>	Anatomy & Physiology <i>Leigh Ann Rohrer</i>	Jr. High Writing (IEW)* <i>Alice Nelson</i>
10:40am - 12:10pm	Session 2 Fall Spanish 1B <i>Kimberly Paine</i>	Option 2 Chemistry <i>Cliff Zeller</i>	Option 3 Theater Arts: Page to Stage* (co-op track only) <i>Amy Lefever, Amanda Sell, Missy Tomassi</i>	Option 4 Physical Science <i>Mark Campbell</i>	Option 5 Introduction to Meteorology <i>Ian Turner</i>	Option 6 Exploring PA History Through Food* <i>EJ May</i>
			Spring Intro to Engineering <i>Mark Campbell</i>		American Government <i>Ian Turner</i>	Food Chemistry* 10:40-11:40 <i>EJ May</i>
12:50pm - 1:50pm	Session 3 Fall ASL 1* <i>Robyn Sowada</i>	Option 2 Science Fiction Literature <i>Ellen Campbell</i>	Option 3 Biology <i>Cliff Zeller</i>	Option 4 Photography 2 <i>Caleb Heckman</i>	Option 5 Woodcarving* <i>Lancaster County Woodcarvers</i>	Option 6 World Geography (Jr. High) <i>Ian Turner</i>
				Spring Drawing <i>Donna VanScyoc</i>	Cultural Geography (High school) <i>Ian Turner</i>	
1:55pm - 2:55pm	Session 4 Fall Essential Academic Skills* <i>Alice Nelson</i>	Option 2 Survival <i>Cliff Zeller</i>	Option 3 Intro to Engineering <i>Mark Campbell</i>	Option 4 Music History <i>Ellen Campbell</i>	Option 5 Woodcarving* <i>Lancaster Woodcarvers</i>	
				Spring Ornithology* <i>Lisa Blake</i>	Fitness 101* <i>Adhienne Brubaker</i>	Calligraphy* <i>Lisa Brubaker</i>
3:00pm - 4:00pm	Session 5 Fall Geometry <i>Greg Hershberger</i>	Option 2 PreCalc <i>Mark Campbell</i>	Option 3 Writing Literature <i>Ellen Campbell</i>	Option 4 Volleyball 101* <i>Robyn Sowada</i>	Option 5 Krav Maga <i>William McGee</i>	
				Spring Advanced Volleyball* <i>Robyn Sowada</i>	Swing Dance* <i>Makayla Minnich</i>	

To register for upper level classes as an upper level only member....

1. Visit our website and read our "[About Us](#)" page.
2. Click "[Join](#)" at the top right corner of the website and complete the requested information.
3. Online registration opens to new members on **MAY THE 4TH!**



Meet a few of our instructors....

Ian Turner earned a Bachelor of Arts degree in Political Science from the University of Kentucky and a Master's of Science degree in Geography from the University of South Carolina. Having grown-up in South Carolina, Ian arrived in Lancaster in 1992 to begin his professional career as a cartographer with GeoSystems, Inc.—the company that would in 1996 evolve into MapQuest. Ian has 25 years of practical and managerial experience in the mapping industry. He has owned his own mapping company, Globe Turner, LLC, since 2012. Ian's interests include meteorology, history, politics, and coin-collecting. He will be teaching Introduction to Meteorology, American Government, World Geography (Jr. High), and Cultural Geography (high school) this coming year.

Mark Campbell has Bachelor's and Master's Degrees in Civil Engineering and is registered as a Professional Engineer in Pennsylvania and retired Engineer in California and New Jersey. Mark has served as a volunteer judge for the Future City competition and the Capital Area Science and Engineering Fair. He has experience teaching students at many age levels and frequently makes presentations to governmental decision-makers regarding civil engineering projects. He often teaches classes integrating faith and science. In addition to teaching, Mark runs his own consulting engineering business. He will be teaching Physical Science, Introduction to Engineering, Introduction to Architecture, and Precalculus this coming year.

Ellen Campbell earned teaching certificates from the state of New Jersey and the state of Pennsylvania. She is a homeschool evaluator and has taught all ages of students in a wide variety of classrooms and other teaching situations for more than 35 years. She homeschooled her own children for 12 years. Ellen took Writing for Children and Teenagers and Writing Children's Books from The Institute of Children's Literature. She was a member of the San Diego County Christian Writers' Guild and of Lancaster Christian Writers. Ellen has had a few articles published. She really enjoys teaching writing, literature, history, and civics courses. In 2022-23, she will teach Science Fiction Literature, Writing & Literature, American History, Research Writing, and Music History.

Caleb Neckman has been taking photographs since 2011 when he developed an interest and love for photographing flowers. That love quickly spread to portraiture, which gave Caleb the opportunity to take senior photos, family portraits, and school pictures. Primarily a musician and actor, he teaches private piano and voice lessons; is the director of the Primary, Jr., and Middle School Choirs for the Lancaster Academy for the Performing Arts; teaches Acting 1 and 2 for Cavod Theatre; and performs and music directs for various theater companies in the area. Caleb will teach Photography II this coming school year.

Greg Hershberger has taught school for 20 years in West Virginia, Oregon, and Pennsylvania. He received a B.A. in Psychology from Malone College in Canton, Ohio, his teaching certificate from Oregon College of Education in Monmouth, Oregon, and his permanent teaching certificate from Pennsylvania with a credential in high school math. Over the years, he has taught Business Math, Junior High Math, Pre-Algebra, Algebra 1, Algebra 2, Geometry, Computers, and Trigonometry. In addition to being a principal and guidance counselor, Mr. Hershberger has been a pastor for 30 years. He will be teaching Geometry at Learning Station in 2022-23.

Kimberly Paine enjoys speaking Spanish and sharing her love of the language with others. She has a double degree in Spanish and Linguistics from the Univ. of CA, Santa Barbara. She has tutored and taught Spanish and other subjects to homeschoolers for around 30 years. Sra. Paine highly recommends learning to speak a second (or third!) language to increase the number of people with whom you can share the Good News of Jesus Christ! She lives in Quarryville with her husband Gary, and homeschooled their two daughters who have now graduated. She is offering two full-year classes: Spanish 1A and Spanish 1B.

Got Uke? Summer Ukulele Camp!

Where: Dayspring Christian Academy

When: June 20-24, 2022

Who: Kids entering grades 2-8

Campers will build and decorate their own ukuleles to keep and will learn the basics of playing. A camp shirt, snacks, games and a culminating concert with "Phredd" from WJTL are all part of this exciting camp!

Contact: Website: <https://s4him8.wixsite.com/mysite>
Sally Armstrong: S4Him@aol.com (717-606-6445)



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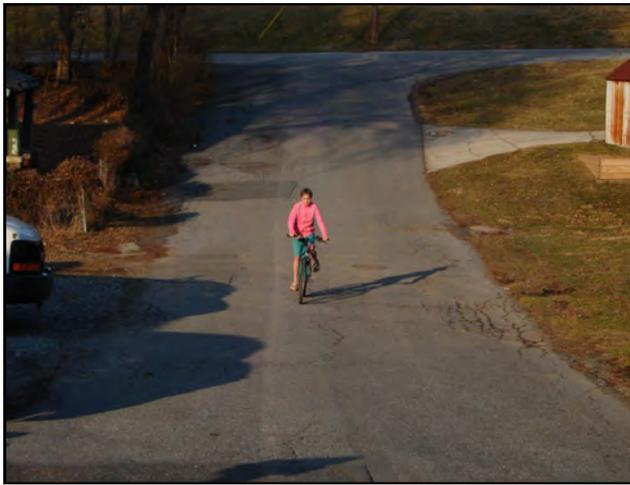
Christian Homeschool Association of Scholastic Excellence

Our mission is to equip and encourage parents who have chosen to homeschool their children by providing educational classroom opportunities in a Christ-centered environment. Classes meet on Mondays from 8:30 am to 2:00 pm at East Fairview Church of the Brethren in Manheim.

Calendar of Events

Monday, May 2—Track & Field Day (rain date May 9)
Thursday, May 5—Gettysburg Field Trip

MS/HS Photography Class



For information about C.H.A.S.E., visit our website at www.chaseacademy.org

Julie Hostetter, Director chasehomeschoolcoop@gmail.com

Leadership Team: Krista Arnold, Judith Cook, Kristina Dougherty, & Jana Gurtler

Uniting in prayer and friendship. ✝ Building Christ-centered academics. ✝ Serving each other



Congratulations to our graduating seniors!

Anya, Michelle, Tim, Megan, Aaron, and Jocelyn



More photos from
MS/HS Photography
Class—spring 2022



A **day camp** that examines how healthcare disciplines interact and work together to promote and restore patient health

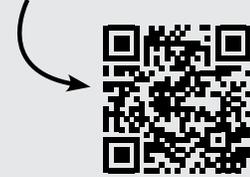
Program highlights

- Explore some of the most dynamic healthcare professions, including **nursing, physical therapy, occupational therapy, athletic training and applied health sciences**
- Patient case studies and hands-on learning activities and demonstrations
- Interact with Messiah University faculty, students and healthcare practitioners
- Learn how to integrate Christian faith with your interest in the healthcare professions

Daily schedule	
8-8:45 a.m.	Drop-off and breakfast
8:45 a.m.	Class and activities
11:45 a.m.	Lunch on campus
12:45 p.m.	Class and activities
4:30-5 p.m.	Pick-up

Register online today!

Visit messiah.edu/healthcareerscamp or scan the QR code below!



For more information, contact Holly Myers at hmyers@messiah.edu or 717-796-5360.

PROMOTE AND RESTORE PATIENT



Register today at messiah.edu/healthcareerscamp

Register by June 1, 2022

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To cater your next party, meeting or event!

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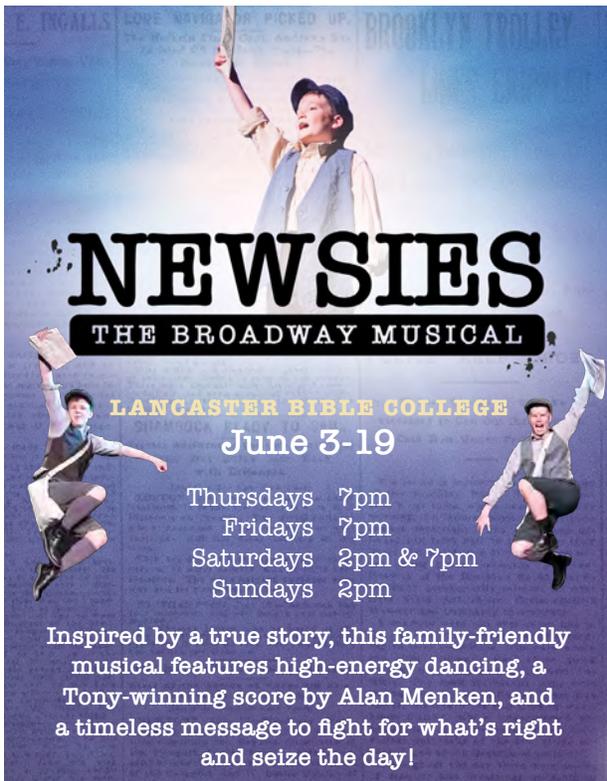
www.courtyardcafeonmain.com

ABOUT COURTYARD CAFE

Courtyard Cafe is a family owned & operated business that was established to serve our community in 2012!

We are dedicated to serving our amazingly crafted menu while giving you the best customer service in a charming restored location!





NEWSIES
THE BROADWAY MUSICAL

LANCASTER BIBLE COLLEGE
June 3-19

Thursdays 7pm
Fridays 7pm
Saturdays 2pm & 7pm
Sundays 2pm

Inspired by a true story, this family-friendly musical features high-energy dancing, a Tony-winning score by Alan Menken, and a timeless message to fight for what's right and seize the day!

**MONDAY NIGHT
DROP-IN CLASSES**

Servant Stage is excited to offer weekly in-person, drop-in classes for all ages at Lancaster County Christian School!

All classes pay-what-you-will!



MAY 2 & MAY 9
ACTING 101
SPECIALTY CLASS
REJI WOODS

6:00-8:00pm Ages 12+



MAY 2
DANCE SPECIAL
MOMMY/DADDY & ME
KRISTIN HURDLESTON

6:00-6:45pm Ages 3-6 & Parents



MAY 16
DANCE
TORI NICKTERN

6:00-7:00pm Ages 6-10
7:15-8:15pm Ages 10-18

SERVANTSTAGE.ORG/MONDAYS



ALL SHOWS PAY-WHAT-YOU-WILL
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VISIT SERVANTSTAGE.ORG OR CALL 717-455-0255



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FOX MEADOWS
CREAMERY

Cornerstone Homeschoolers
Lower Tier

www.cornerstonelowertier.com

We have a new e-mail address: lower.tier@cornerstonehomeschoolers.com

Cornerstone Lower Tier serves families with children in nursery – 8th grade with enrichment classes, gym, choir, field trips and opportunities to fellowship in a Christian environment.

We meet for eight weeks in the fall and eight weeks in the spring. All participating members are expected to serve by monitoring, teaching, and cleaning. Please visit our website for more information.



Spring Concert Group Song

Calendar of Events

- **May 5** - Gettysburg Field Trip
- **May 11** - Lake Tobias Family Field Trip
- **May 19** - Track & Field Day and Cornerstone Picnic
- **May 26** - Rain Date: Track & Field Day and Cornerstone Picnic

We currently have a waitlist for the 2022-2023 school year. If you have any questions about Lower Tier (Nursery - 8th Grade) please email us at Lower.Tier@CornerstoneHomeschoolers.com

Please visit our website for more information: www.CornerstoneLowerTier.com

E-mail questions to: Lower.Tier@CornerstoneHomeschoolers.com

CORNERSTONE Upper Tier

May 2022

www.homeschool-life.com/pa/cornerstone

upper.tier@cornerstonehomeschoolers.com

Anne Flinchbaugh Richey Director

Susan Geoghan Assistant Director

Cornerstone Upper Tier is a 30-week, Christian educational program for students in **7th-12th grades** and meets **Thursdays at Grace Baptist Church**. Classes are taught by professionals in the areas of Science, Literature, Writing, Art, World Languages, Social Studies, and Electives. Cornerstone Upper Tier is committed to providing a **regular rotation of core academic classes** necessary for graduation and a variety of elective classes to help you meet your educational goals. **Please visit our website** for more information

Classes may be over but there are still events to come!

Thursday, May 19th 2022 11:30am - 3:30pm

Cornerstone Picnic at Amos Herr Park
(Following Lower Tier Track & Field Day)

Raindate: is May 26th



PROM 2022

DISCO FEVER!

COME BOOGIE THE NIGHT AWAY
WITH YOUR CORNERSTONE FRIENDS!

FRIDAY, MAY 20 6:00-10:00PM

OAKRYN HALL
569 NOTTINGHAM ROAD
PEACH BOTTOM, PA 17563



CORNERSTONE

Upper Tier

May 2022

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upper.tier@cornerstonehomeschoolers.com

Anne Flinchbaugh Richey Director

Susan Geoghan Assistant Director

Cornerstone Commencement

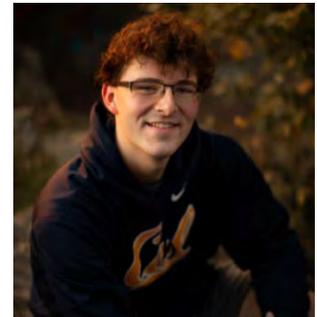
Friday, June 3rd – Oakryn Hall, Peach Bottom

Our seniors look forward to graduation

May He give you the desire of your heart and make all your plans succeed. - Psalm 20:4

Jonathan Bernotsky Bigler

Jonathan is the son of Jeffery and Ann Bigler of Kirkwood, PA. Jonathan plans to attend college and see where that takes him. A fun fact about Jonathan is that he is a bass player for a worship band and is going to Costa Rica this summer on a mission trip.

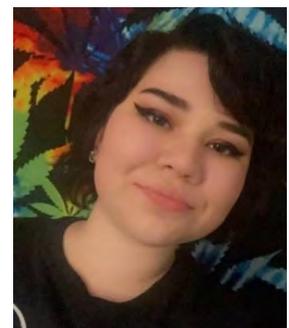


Halle Grace Brown

Halle is the daughter of Jason and Amy Brown of Peach Bottom, PA. Immediately after graduation she plans on working full time. In the next ten years, she hopes to continue working full time and also get married and have a family. Halle would love to travel and make the best out of life. A fun fact about Halle is that she loves spending her time with friends, exercising, and taking time to be in God's creation.

Mary Cherasaro

Mary is the daughter of Mike and Heather Cherasaro of Lancaster, PA. She is the second child of six. She loves art and plans on going to Lancaster School of Cosmetology after graduation. A fun fact about Mary is that she has made a wig.



Zachariah David Greineder

Zachariah is the son of Michael and Karen Greineder of Lancaster, PA. His immediate plans after graduation are to work at Five Star International as a diesel technician and continue the Automotive Technology program at Thaddeus Stevens College of Technology. In ten years he hopes to be married with a family, and become a master technician. A fun fact about Zach is that last summer he rode his bike across the country with a small team from Lifecycles, a trip that took 60 days to complete and covered 3,700 miles.

CORNERSTONE

Upper Tier

May 2022

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Susan Geoghan Assistant Director

Isaac Maier

Isaac is the son of Timothy and Teresa Maier of Washington Boro, PA. Immediately after graduation, he plans to attend Paul Smith's College with a major in Ecological Forest Management. In ten years he hopes to be working for the National Forest Service. A fun fact about Isaac is that he once caught a fish with his bare hands.



William Henry Meo

William is the son of Michael and Kathryn Meo, from Steelton, PA. He plans to attend Messiah University in Mechanicsburg, where he'll work towards earning a Bachelor's in Mechanical Engineering with hopes to enter the aerospace field with special focus on spacecraft and satellites. A fun fact about William is that he has played piano for over ten years and picked up another ten instruments since. He also started a YouTube channel, "TuneForge," where he posts videos of arrangements of movie/TV/videogame soundtracks.

Isabelle M. Olenik

Isabelle is the daughter of Andy and Mary Olenik of Lancaster, PA. Issy is accepted to go to college to study social work. She eventually plans to be advocate for the pro-life movement and women in unexpected pregnancies. A fun fact is that Issy is the founder of the Lancaster Snow Ball, a benefit formal for homeschooled students.



Kendra Elaine Shore

Kendra is the daughter of Lance and Meredith Shore of Washington Boro, PA. Immediately after high school, she plans to work as an EMT and work toward becoming a career firefighter. In ten years she hopes to be a wife and mom while remaining involved with emergency services. A fun fact about Kendra is that she got her first public job when she was just 5 years old, working part-time in a mortgage office.

Hannah Young

Hannah is the daughter of Andy and Susan Young of Peach Bottom, PA. Hannah plans on becoming a certified EMT and working for Life Lion while she works her way up in the EMS system. Hannah also volunteers with Robert Fulton Fire Company and hopes to continue volunteering with them throughout her career. A fun fact about Hannah is that she wants to go skydiving sometime after graduation.



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Registration is continuing for '22-'23!

Class Dates to help with planning

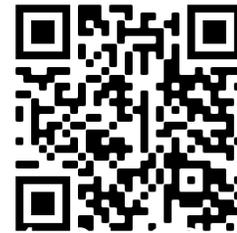
Fall 2022

August 25 New member orientation
 September 1, 8, 15, 22, 29
 October 6, 13, 20, 27
 November 3, 10, 17
 December 1, 8, 15

Spring 2023

January 5, 12, 19, 26
 February 2, 9, 16, 23
 March 2, 16, 23, 30
March 9 is spring break
 April 6, 13, 20, 27 snow makeup

Interested in joining?
 Scan here to request
 new membership:



Featured Course: Biblio History Year 1 and Year 3 -- Dates: Sep 1, 2022 – Apr 27, 2023

Introducing two years of a classical history and historic literature rotation to give a complete history chronology in four years. Combining U.S., World, Biblical, and Church History, Geography and more, Biblioplan starts at Creation and continues through modern times. In 2022-2023 years 1 and 3 are being offered with the goal of offering years 2 and 4 the following year. Both classes follow the format of homework each week, including reading in the textbook, answering related questions, writing summaries, and map pages to go along with the chapter. In class, students discuss the textbook reading and map work, as well as share the written summaries and do hands-on activities. There will be an exam at the end of each of the six units. Students will write a research paper and do a 5-8 minute presentation on it in class.

Year 1—Ancients covers World and Biblical History from Creation through the Fall of Rome. Chronologically speaking, it starts with the seven days of Creation, and ends with the demise of the last Western Roman Emperor in AD 476.

Year 3- Early Modern covers U.S., World and Church History from 1600 – 1850. Since England planted its first lasting American colony in 1607, Year Three is the first year that includes U.S. History.

8:00 - 8:55		World Hist & Lit Lehman	German 3 Rohrer	Hebrew Fogle		Env Sc Lab (12 Weeks) Sanchez	Bio Lab (12 Weeks) Sanchez	Chem Lab (26 Weeks) M. Campbell	Psychology E. Campbell	MUS Geometry Teeter	PSAT Prep (4Weeks) Bradley	
9:00 - 9:55	Fencing (F/S) Newswanger	Jr. High Writing Lehman	German 1A Rohrer	Intro to French Powles	Intro to Spanish Paine		Biology Zeller	Chemistry M. Campbell	Geography (F) /Civics (S) E. Campbell	MUS PreCalc Teeter	MUS PreAlg Hershberger	3D Design & Sculpture Goss
10:00 - 10:55	Gym (F/S) Battle	Writer's Workshop E. Campbell	Am Hist & Lit Lehman	French 2 Powles	Spanish 2 Paine	Physical Science M. Campbell	General Science Zeller	Life Science Newswanger	US, World & Church Hist 1600-1850 Rohrer	MUS Geometry Teeter	MUS Alg 2 Hershberger	Photography & Graphic Design Goss
11:00 - 11:55	MechDraw (F)/ Intro to Architecture (S) M. Campbell	Am Lit E. Campbell	Basic Art Mylin	French 1A Powles	Spanish 1A Paine	Music Appreciation (F/S) Umholtz	Environmental Science Zeller	Honors Anat & Physiology Newswanger	Ancient Hist Creation-Fall of Rome Rohrer	Consumer Math Teeter	MUS Alg 1 Hershberger	Sewing (F/S) Neupauer
12-12:30	L	U	N	C	H			B	R	E	A	K
12:30 - 1:25	Creative Writing (S) Sharp	World Hist & Lit Lehman	Advanced Art Mylin	French 1B Powles	Spanish 1B Paine	Theatre Basics (F) Petrosky	Physics M. Campbell	Health (F) Newswanger	Bible Depicting (F/S) Neupauer			
1:30 - 2:25	Comp Appl (F)/ Intro to Python (S) M. Campbell	Business Writing (F) /Research Writing (S) E. Campbell	Jane Austen's Life & Novels Cherasaro		Spanish 3 Paine	Vocal Ensemble Umholtz	Yearbook Flinchbaugh		Woodworking I & II Newswanger			

You are invited to join us in building your transcripts
 and your friendships!

CORNERSTONE

Upper Tier

May 2022

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Anne Flinchbaugh Richey Director

Susan Geoghan Assistant Director

2022-2023 Classes - Visit our website for complete descriptions, supplies, and prices.

*Full year classes. #Semester classes.

Advanced Art* Taking the Basics of Art to a new level of function and process to create art for portfolio use. Basic Art is a pre-requisite.

American History & Literature* American history text readings, class discussions, weekly assignments, related geography, quizzes and written assignments are combined with reading five American literature books.

American Literature* Starting with early American literature and progressing to current writings, students read unabridged works from an anthology and learn about literary concepts such as conflict, character, theme, structure, point of view, and moral tone. Includes writing and tests.

Anatomy & Physiology (Honors Level)*. Human Anatomy and Physiology analysis and synthesis with a focus on preparing for careers requiring knowledge of the human body.

Basic Art* Fundamental course teaching art appreciation, pencil control, the basic foundations of art, and the creative process. Pre-requisite for Advanced Art.

Bible Depicting# This course is designed to help students become better learners individually and in a group setting by depicting truths visually from the Bible.

Biblioplan History Year 1 – Ancients* Covers ancient history from Creation to the Fall of Rome using the Biblioplan Year One curriculum.

Biblioplan History Year 3 - Early Modern History*: Covers early modern U.S. and World History from 1600 to 1850 using the Biblioplan Year Three curriculum.

Biology*: Academic course covering all five kingdoms (Monera, Protista, fungi, plants and animals), Cytology, Genetics, Ecology, Creation vs evolution, and including some interactive labs.

Biology Lab: 12 weeks. Alternates dates with Environmental Science Lab. Designed to accompany without duplicating the labs in Biology class, this class is recommended but not required in conjunction with Biology, may be taken as a stand-alone supplement to learning or may complement a home-taught biology course. Taught by an experienced naturalist, the class is not graded. It is also for students interested in pursuing a field in the sciences, working towards an honors designation in science, or that enjoy a challenge.

Business Writing# Create a fictional business or work with a student's existing business to properly write business letters and emails, resumes, editorials, and complete other projects.

Chemistry* Academic chemistry class for students in 10th-12th grades and others with Algebra 1 skills. Key aspects of chemistry such as atomic structure, stoichiometry, gas laws, and acids/bases will be covered. Separate chemistry lab required.

Chemistry Lab* (26 weeks). Separate Chemistry Class required. Includes in-class and at home assignments and some lab reports.

Civics# A half credit class using an American government textbook, class discussion, newspapers, other resources, and a mock trial to enhance study.

Computer Applications#: A hands-on approach to Microsoft Excel and Power Point to develop skills needed to successfully organize and prepare useable and practical spreadsheets or presentations.

Consumer Math* An introduction to personal and family finances covering basic economics, financial responsibility, financial institutions, personal taxation, insurance, wills and contracts, savings and investing, consumer credit, managing personal and family finances, and consumer choices.

Creative Writing# Read, critique, and compose original poetry, essay, short fiction, and creative non-fiction. Includes in-class timed writings and editing and revising of selected student writings.

Environmental Science*: Learn about and discuss current environmental topics and issues, stewardship of the earth and its resources, and the ecology of Pennsylvania.

Environmental Science Lab: 12 weeks. Alternates dates with Biology Lab. Designed to accompany without duplicating the labs in the Environmental Science class, this class is recommended but not required in conjunction with Environmental Science, may be taken as a stand-alone supplement to learning, or complement a home-taught science course. Taught by an experienced naturalist, the class is not graded. It is also for students interested in pursuing a field in the sciences, working towards an honors designation in science, or that enjoy a challenge.

French – Introductory* A non-grammar-based class focusing on simple conversational French by learning vocabulary, common phrases, and pronunciation to prepare students for French !.

French 1A* The first half of a 2-part, full high-school level French 1 course.

CORNERSTONE

Upper Tier

May 2022

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Anne Flinchbaugh Richey Director

Susan Geoghan Assistant Director

2022-2023 Classes - Visit our website for complete descriptions, supplies, and prices.

*Full year classes. #Semester classes.

French 1B* The second half of a 2-part, full high-school level French 1 course. Completion of French 1A is a pre-requisite.

French 2* A full high-school level French 2 course. Prior completion of French 1 or equivalent is required.

General Science* This course covers a wide range of the branches of science, making connections between each. Learn what science is and how to utilize the proper scientific method. Includes hands-on science experiments with household materials.

Geography#: A half credit course. Study each continent and a select group of countries in each using cultural studies and map work.

German 1A* A beginner level German course for high school students including textbook lessons, grammar, vocabulary and some German culture and history.

German 3* An intermediate level German course for high school students including textbook lessons, grammar, vocabulary and some German culture and history. German 2 or equivalent is a pre-requisite.

Gym Class#: A variety of outdoor and gym exercises, games and sports with instruction as needed to provide an hour of physical activity.

Health#: Covers maintaining health through exercise, diet and hygiene; safety; basic first aid; preventing diseases; avoiding drug abuse; and the variety of medical careers that exist.

Hebrew* Learn to read and write the letters, vowel markings, basic vocabulary and grammatical features of the Hebrew Language of the Old Testament with a goal of being able to read and translate short sentences or verses.

Institute for Excellence in Writing – Jr. High* The students will be exposed to systematic writing, grammar exercises, and reading vocabulary through the use of The Institute for Excellence in Writing's thematic unit series. Skills such as outlining, topic sentence and supporting details, taking notes, retelling, and peer editing are taught.

Intro to Architecture# Introduction to the field of architecture including application of form and function to interior and exterior building design for a particular use on a certain piece of land. A design project is part of this class.

Introduction to Python# This course will provide an introduction to the terms and concepts essential to the basic understanding and practice of computer programming in the PYTHON language through reading, weekly assignments and one or more programming projects.

Jane Austen's Life & Novels* This class focuses on the life of Jane Austen and an in-depth study of three of her novels and the ways she expressed her concerns and preoccupations with the changes that occurred in her era.

Life Science* This class offers a blend of lecture and lab in order to prepare students for a future biology class. Students learn about cells, energy for plants and animals, DNA, and an overview of organisms from bacteria to humans.

Master of Defense# Study the history, politics and technology of Medieval and Renaissance swordsmanship and learn to use fencing sabers.

Mechanical Drawing# An introduction to mechanical drawing through instruction in the concepts, tools, and practices used to understand, interpret, and prepare mechanical drawings, including multi-view and isometric approaches. Hand drafting skills will be emphasized, but the class may also include an introduction to computer applications available for little or no cost.

MUS Algebra One* Academic course of foundational Algebra 1, the cornerstone of secondary math.

MUS Algebra Two* Academic course building on a solid foundation of Pre-algebra and Algebra 1.

MUS Geometry* Academic geometry topics plus the development of critical thinking skills using a variety of logical problems, both of geometric and algebraic perspectives. Technology, manipulatives, and discovery learning are used.

MUS Pre-Algebra* Academic course considered the foundation for all subsequent math.success.

MUS Pre-Calculus* Covers the key mathematical concepts needed to prepare for calculus. Pre-requisites for this course are Algebra II and Geometry with a minimum C grade.

Music Appreciation# This class is a general music class aimed toward but not exclusive to 7th-9th grades. Students will study musical elements and music history as well as learn how to listen intelligently to music among other topics.

PSAT/SAT Math Prep: 4 weeks. Sep 1, 8, 15, 22 PSAT/SAT Mathematics Prep Class will prepare students to perform at a higher level on the SAT and the PSAT by using strategies to solve problems and by reviewing specific examples of problems found on the PSAT.

Photography/Graphic Design* Learn composition basics to shoot professional looking photographs. Weekly photo homework assignments and traditional techniques will be used

CORNERSTONE Upper Tier

May 2022

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Anne Flinchbaugh Richey Director

Susan Geohan Assistant Director

2022-2023 Classes - Visit our website for complete descriptions, supplies, and prices.

*Full year classes. †Semester classes.

in class for printmaking, illustration, logo design and advertising projects.

Physical Science* Activity-based class covers a broad review of earth science with some introductory chemistry and general physics through reading, weekly homework, tests and in-class or at-home labs with assigned lab reports.

Physics* Using textbook reading and alternating lectures and labs, the following topics (among others) will be covered: measurement and units, motion, vectors, Newton's laws, circular motion, work and energy, momentum, periodic motion, waves and optics, electricity, and magnetism. Pre-requisites are Algebra 1 and Geometry.

Psychology* This course will discuss the history of the science of psychology and move to the different psychological approaches and then the different branches of applied psychology. Lessons will cover different disorders and the maintenance of personal optimal mental health.

Research Writing†: This course covers several of the forms used for research papers for different types of classes/disciplines, including MLA, APA, CMOS, IEEE, and AMA. Finding acceptable resources, writing, proper citation, making annotated bibliographies, and learning techniques to stay organized and efficient when writing a research paper will be covered.

Sewing†: Learn to sew or improve sewing skills by getting to know the basics, completing simple pattern projects, and advancing to designing and completing increasingly complex projects.

Spanish – Introductory* A non-grammar-based class focusing on simple conversational French by learning vocabulary, common phrases, and pronunciation to prepare students for Spanish I or supplementing those studying Spanish on their own using a computer program and needing speaking practice.

Spanish 1A* The first half of a 2-part full high school level Spanish 1 course.

Spanish 1B*: The second half of a 2-part full high school level Spanish 1 course. Completion of Spanish 1A or equivalent is a pre-requisite.

Spanish 2* A full high-school level Spanish 2 course including a grammar-based workbook series that interweaves listening and speaking practice by native Spanish speakers.

Spanish 3*: Continues from where Spanish 2 left off and puts what has been learned to use with more reading, writing and speaking opportunities.

Theatre Basics† Learn about the origins and purpose of theatre and its historical and cultural impact. Activities include character study, monologue, story development, group writing, improv games, reading a play together, and classroom presentations.

Vocal Ensemble* Learning to sing as a group, mostly a *capella*. Breathing, diction, music notation and reading skills, and other general choral skills will be taught.

Woodworking 1* Learn the techniques for shaping and joining wood using hand tools with in-class instruction, demonstration and construction time plus at home finishing.

Woodworking 2* Returning students will expand on their knowledge by choosing to copy or design and complete more advanced projects. Woodworking 1 is a pre-requisite.

World History & Literature* World history text readings, class discussions, weekly assignments, related geography, quizzes and written assignments are combined with seven literature books and related study guides.

Writers Workshop* The students will be exposed to the three types of writing: persuasive, narrative, and expository, and learn to communicate effectively and creatively through the written word by writing journal entries and other writing assignments.

Yearbook* Gain skills in page design, publishing techniques, copy writing, and photography while producing a creative, innovative yearbook that records co-op memories and events.

3-D Design and Sculpture* Weaving, wire, batik, mosaic, paper mache and clay are among the various media and techniques used to create three-dimensional works. The majority of work will be completed in class.

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SUMMER READING FUN FOR EVERYONE!

NEW! Sign up at Ephrata Public Library between June 4-June 18 and be entered into drawings for tickets to Hersheypark, the Pennsylvania Renaissance Faire, gift cards & other prizes!

PLUS!

Turn in your summer reading logs at Ephrata Public Library and receive additional incentives from Dairy Queen of Ephrata, Domino's Pizza, Fox Meadows Creamery, Weiser's Market & more! (Prizes vary by age level.)

Participants who complete their summer reading logs will also be entered into drawings for 3-HOUR BUBBLE RENTALS FROM PENN CINEMA, tickets to Hersheypark & more!

Summer Reading Carnival!

Join us for our annual carnival - complete with a bounce house, games, food, activities, raffles and the magic of Eddy Ray!

Thursday, June 16

Carnival at 4 p.m. • Magic Show at 6 p.m.



Visit our events calendar now to register for summer programs!
www.ephratapubliclibrary.org



— EPHRATA PUBLIC LIBRARY —
550 S. Reading Rd., Ephrata, PA 17522
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Our Groups: TEACH



The Educators Affiliation of Christian Homeschoolers

Website: www.homeschool-life.com/PA/TEACH

Scrawls: teachnewspage@gmail.com

Email: teachhomeschooler@gmail.com

Bethany Grace Co-Op Leader: Pam Hasse (717-669-4866)

Co-Op Email: bethanygracecoop@gmail.com

TEACH offers...

- CHALC 2020/21 Scrawls subscription
- Track & Field Day
- Cell Groups
- Sports Programs: Basketball, Soccer
- Co-Op Classes:
Bethany Grace Fellowship Church
400 Reading Road, East Earl
(Terre Hill Area, Off R. 625)

[Teach Membership](#)

[Login for Course Registration](#)

Calendar

Tue. Apr. 19	Registration for Fall Semester opens
Tue. May. 10	TEACH Track and Field Day at Brubaker Park, Fivepointville
Wed. May. 11	Rain Date: TEACH Track and Field Day at Brubaker Park, Fivepointville
Sat. May. 21	Parent Soccer Game
Sat. June 11	TEACH Basketball Fundraiser Car Wash 10-1:00 Weaver's Markets Rt.897 & 272
Mon. Aug. 1	Registration Deadline for Fall Semester

*Contact Amy Mease
with any questions about
the TEACH group at
teachhomeschooler@gmail.com.*

TEACH Cell Group

**To register, contact Samantha Hanks
at Teachcellgroups@gmail.com**

May 5th - Fox Meadows Farm and
Creamery Tour (8:30AM)

Forest School Group:
To register, contact Amy Rhoads at forestschooldadventures@gmail.com
(Friday's at 10:00am unless noted otherwise)

May 6 - Money Rocks, Narvon

May 20 - Hershey Gardens

Our Groups: TEACH

Title	Age(s)/Grade	Instructors	Textbook	Class Fee	Books	Supplies
Poliwogs	1-4 yr olds	Amy Rhoads		\$35	\$0	\$0
Do your little tadpoles need a space to play, sing songs, build with blocks, read stories, and other fun activities while their older siblings are in classes? Poliwoogs is that place! All 1-year-old through 4-year-old kids are welcome here. A discount is available for siblings.						
PreK Play	PreK	Rebecca Schulze		\$30	\$0	\$0
Help little ones get some energy out while working on fine and gross motor skills. Suitable for most 3-5 year olds.						
Munchkin Gym 1	PreK-K	Brittany Flexer		\$30	\$0	\$0
Come burn some energy and get those wiggles out! We will have fun developing our large and fine motor skills and playing various games together.						
Adventure Little Kids	PreK-1st	Missy Landes		\$25	\$0	\$0
This is where kids will learn essential skills such as markers, scissors, glue, and even paint in older classes.						
Adventures in South America	PreK-1st	Ruth Zentner		\$35	\$0	\$0
Join us as we explore the countries, land, people, animals and customs found in South America.						
Little Book Club	PreK-1st	Kelly Martin		\$35	\$0	\$5
Looking for a fun class that will keep them learning, busy, and having fun? Little Book Club is that class. Each week a book will be read, discussed and followed by related activities (crafts, art, games & songs).						
Bible Safari	K-2nd	Tanya Bollinger		\$35	\$0	\$0
Travel through the Bible as we learn about a new animal each week. There will be a weekly craft.						
Elementary Gym	K-5th	Jill Ludwig		\$30	\$0	\$0
This class will be an active gym class that will teach the rules for popular children's games (such as wiffle ball, kickball, Spud, dodgeball, Thumper, Red light/Green Light, different tag games such as sharks & minnows, and more.) Emphasis will be on teamwork and good sportsmanship (and running off some energy!).						
Chorus for Children	K-6th	Dawn Caracio		\$25	\$0	\$0
Melodious fun combined with choral instruction. Develop good listening skills for music, understand the concept of reading words and notes together which will include simplified music sheets with 2 parts, develop good tones with other choristers, and follow rehearsal procedures. Patterns and expressions along with breathing techniques included.						
Munchkin Gym 2	1st-2nd	Brittany Flexer		\$30	\$0	\$0
Come burn some energy and get those wiggles out! We will have fun developing our large and fine motor skills and playing various games together.						
Game Time!	1st-3rd	Corinne Groff		\$35	\$0	\$0
Fun & Games! A mix of board games, get-to-know-each-other games and minute-to-win-it games. Build knowledge, coordination, strategy & teamwork skills in a fun way!						
German for Little Ones	1st-3rd	Shallon Rohrer		\$40	\$0	\$0
Children will work on learning introductory vocabulary in the German language through stories, fun activities and songs.						
Math is Fun 1	1st-3rd	Amy Arment		\$35	\$0	\$0
Math is fun when you use cards, dice, and games to learn! We will explore primary math concepts like number sense, shapes, money, graphs, patterns, and more. We will also reinforce addition and subtraction facts but they'll just think they're having fun! This course is intended to supplement your existing math curriculum.						
Human Anatomy	1st-4th	Brittany Flexer		\$40	\$0	\$0
Explore how the human body works, along with how God has made each of us unique. We will learn about the skeletal system, digestive system, heart, blood, and more.						
Pennsylvania History	2nd-3rd	Kelly Martin		\$35	\$0	\$5
Learn about the history of PA. Students will learn about the founders, state tree, state flower etc. with a hands on approach.						
Geography: South America	2nd-4th	Ruth Zentner		\$35	\$0	\$0
We will study the countries, land, people and customs of South America.						
Adventure Boys	2nd-6th	Missy LANDES		\$55	\$0	\$0
We will learn about different inventors while we work on our own inventions.						
Adventure Girls	2nd-8th	Missy LANDES		\$55	\$0	\$0
Girls will learn about running their own business and how to handle their money.						
Math is Fun 2	3rd-5th	Amy Arment		\$35	\$0	\$0
Games, dice, and cards make learning fun! We will explore elementary math concepts like number sense, graphs, patterns, fractions, and more. We will reinforce addition, subtraction, multiplication, and division facts, but without the boring flashcards. Students will sharpen their math skills but they'll just think they're having fun! This course is intended to supplement your existing math curriculum.						
Food Around the World	3rd-6th	Rebecca Schulze		\$45	\$0	\$0
Students will get to make food that is popular in 10 different countries/regions. We will learn about customs of those countries also. Food items will be desserts or light fare only. Students may be asked to bring supplies or ingredients to help keep costs down. Food items may occasionally be ready 10-15 mins after class time is over. Students with dairy or gluten sensitivities will have to provide their own suitable ingredients.						
Heroes of the Faith for kids	3rd-6th	Dawn Caracio		\$40	\$0	\$0
This course is designed for students who enjoy learning of Christian Heroes that lived for the Lord and His calling. Students will be informed of the lives of sacrificial missionaries, martyrs, etc. Students will be required to keep a journal of one paragraph memoirs of these heroes.						
Civics for Kids	3rd-7th	Amy Eberly		\$45	\$0	\$0
Based on the Tuttle Twins series. Each book in this series focuses on a different aspect of the principles of a free society: free markets, competition, individual rights, the non-aggression principle, personal responsibility, protectionism, and a variety of other issues - all boiled down to core concepts that children of different ages can easily grasp.						
Life Draw I	4th-12th	Joan Benjamin		\$30	\$0	\$0
Drawing actual objects to learn line, shape, value, color, perspective. Pencils available for purchase (usually \$5); not required.						
Exploring Creation with Astronomy (20 weeks)	4th-6th	Kelly Stoltzfus, Meredith Jarvis	<i>Apologia's Exploring Creation with Astronomy</i>	\$40	\$0	\$10
Explore the amazing universe that God created. We will learn about stars, planets, galaxies, and more. There will be hands-on activities, weekly reading, and notebooking assignments plus one project per term. Apologia textbook is required; notebooking journal is helpful but not required. This is a 20 week class. Class from the fall semester will continue in the spring.						
Beginning German for Upper Elementary	4th-6th	Shallon Rohrer		\$40	\$0	\$0
Children will work on learning introductory vocabulary and basic phrases in the German language.						
Elementary Art	4th-6th	Gail Miller		\$35	\$0	\$10
We will create a diverse assortment of art and craft projects using a variety of materials.						
Exp the World of Science	4th-6th	Andrea Coulson		\$35	\$0	\$15
Each week, we will explore different science topics (ie-chemistry, forensics, physics, engineering, etc). We will have a focus on labs/hands-on activities to deepen their understanding of the topic, as well as have fun!						
Writing the Research Paper	4th-6th	Christine Miklas		\$40	\$0	\$0
This course will guide students through the process of writing book reports and a research paper. Lessons will include the writing process, how to research, basic outlines, note-taking and bibliographies.						
Printmaking	4th-8th	Letitia Weaver		\$35	\$0	\$15
This class will explore the creative process involved in block printing, from idea generation through print plate carving, to printing and print labeling. Class will culminate with a print exchange and include exploration of uses for finished prints. Background or interest/ability in drawing is helpful but not necessary. Class involves use of carving tools. While correct and safe technique is emphasized, parental discretion as to the appropriateness of this class for specific students is advised.						
The Presidents (20 weeks - Fall/Spring)	4th-8th	Michelle Gockley		\$40	\$0	\$0
Each week we will study 2 or 3 presidents. We will learn about their early years, how they became president, what happened during their presidency and how they spent their years after leaving office. The class is based off of a lap book and I will be adding videos to make things interesting.. This will be a 20 week class for \$40 each semester.						
Calligraphy and Creative Lettering	4th-Adult	Joan Benjamin		\$30	\$0	\$0
Examine and practice various lettering styles and utensils in calligraphy; goal of one finished 'standard' work of calligraphy. Using learned techniques, design and complete a more creative, individual piece of lettered artwork. Tools available. Students may bring their own calligraphy pens.						
Food Chemistry Lab	5th-12th	Cheryl Russell		\$35	\$0	\$0

Our Groups: TEACH

This class will cover the basics of Food Science and Chemistry. There will be a food experiment/lab each week and explanation of the chemical reaction observed. Labs will include: strawberry DNA, cabbage juice pH indicator, glucose & starch testing, cotton candy, color changing lemonade, sugar content in drinks, ice cream, butter, etc., and end with a taste testing lab. May not be suitable for those with food allergies. Videos of PA food companies from the Food Network's show Unwrapped may be shown if time allows.☒						
Life Draw II	5th-12th	Joan Benjamin		\$30	\$0	\$5
Continuing development of drawing skills and techniques. Prerequisite of Life Draw 1 or teacher discretion.☒						
Life Draw III	5th-12th	Joan Benjamin		\$30	\$0	\$0
Continuing development of drawing skills with additional media options. Goal of minimum 2 finished pieces. Prerequisite: Life Draw 2 or teacher discretion. H&B pencils can be brought by the student or are available for purchase (usually \$5).☒						
World War II: An Overview	5th-12th	Elizabeth Gormley	<i>World War II: The DK's Definitive Visual History: From Blitzkrieg to the Atom Bomb</i>	\$20	\$0	\$0
This 10-week course is to cover the basics of World War II, one of the most globally-significant events of all time. From the Blitz of London to the Battle of Midway, the second world war had far-reaching consequences and still impacts us today. Students will learn the general timeline of the war, examine causes and personalities, be expected to answer questions and participate in discussions, as well as take quizzes and do activities. The cost is \$20 per student plus the cost of the textbook which students must purchase before class begins.						
Games Galore!	5th-12th	Amy Eberly		\$25	\$0	\$0
One hour of playing all types of games (card games, board games, and strategy games).☒						
Geography: South America	5th-8th	Ruth Zentner		\$35	\$0	\$0
We will study the countries, land, people and customs found in South America.☒						
(Self)Portrait and Figure Drawing	5th-Adult	Joan Benjamin		\$30	\$0	\$0
Pencil or pen media to learn basic facial 'landmarks' to assist self-portrait. Same to assist drawing live model (available teen and/or adult.) Prerequisite Life Draw 3, Life Draw 2 with teacher discretion or teacher discretion.☒						
French	5th-Adult	Smith Noel		\$40	\$0	\$0
Students will learn common words and sentences for communications in French.☒						
A Studio Introduction to Architecture (30 weeks)	6th-12th	John Everhart		\$140	\$0	\$30
This is a Studio class that explores structural analysis, the evolution of Historic trends, and develops skills that will assist with Rendering and designing original plans. It is appropriate for the beginner and more advanced students.☒						
Gym Games	6th-12th	Ruth Zentner		\$30	\$0	\$0
An active gym class featuring large group games that provide a good cardio workout. (\$10 discount for each additional sibling)☒						
Horses! (20 weeks - Fall/Spring)	6th-12th	Michelle Gockley		\$40	\$0	\$0
Students will learn about the Equidae family, different breeds of horses, diet, life cycle, types of gaits, anatomy, body language, and much more. We will also do an in depth study of the different anatomy systems of the horse. There will be some fun videos mixed in about how horses are used. This will be a 20 week class with the option of some work that can be done in between semesters for a full credit(a video may need to be purchased to accomplish this). This cost is \$40 for each semester.☒						
Presidential Fitness Program	6th-12th	Larry Klaassen		\$45	\$0	\$0
Developing an understanding and appreciation for a lifetime of fitness. Course is complete with fitness training, testing, and awards as prescribed by The Presidents Youth Fitness Program.☒						
Tutoring for Reading, Writing, Comprehension	6th-12th	Melissa Horning		\$30	\$0	\$0
Tutoring will be available when I'm not teaching my courses in the morning and anytime up to the end of the day. I'm willing to help students prep for tests, proofread and revise written assignments, read content for comprehension/application, etc. Students can become more confident in their learning with a bit of review and lots of encouragement! The cost is \$30/hour or \$15/half hour.☒						
Exploring Creation with Astronomy (20 weeks)	6th-8th	Kelly Stoltzfus, Meredith Jarvis	<i>Apologia's Exploring Creation with Astronomy</i>	\$40	\$0	\$15
Explore the amazing universe that God created. We will learn about stars, planets, galaxies, and more. There will be hands-on activities, weekly reading, and notebooking assignments plus one project per term. Apologia textbook is required; notebooking journal is helpful but not required. This is a 20 week class. Class from the fall semester will continue in the spring.						
Math for the Middle	6th-8th	Amy Arment		\$35	\$0	\$0
Even older kids can have fun with math when cards, dice, and games are used to learn! We will explore general math concepts like functions, patterns, graphs, fractions, geometry, and more. We will problem solve, use logic, think critically, and reinforce skills that students will use later in algebra, all while having fun! This course is intended to supplement your existing math curriculum.☒						
Middle and High School Choir	6th-Adult	Hannah Stone		\$60	\$0	\$10
Grow the instrument God gave you! Come learn healthy vocal technique while Exp new and classic choral repertoire. Mrs. Stone is a recent private school choir teacher with a passion for honing students' musical gifts to serve in their churches and communities. The fall term will culminate in Christmas caroling for people in our community.☒						
Crockpot Cooking	7th-12th	Tammy Cress		\$50	\$0	\$0
Students will learn to make meals in a crockpot for your family's dinner that evening. Requires knife skills and a crockpot, student will need to bring meat each week but all other ingredients will be provided.☒						
Pre-Algebra (30 weeks)	7th-9th	Jennifer Eberly	<i>Math-U-See Pre-Algebra Student Pack</i>	\$100	\$0	\$0
This course is taught based on MathUSee Pre-Algebra. Your student is ready for this class if he/she has knowledge and understanding of basic math operations, fractions/decimals, inequalities, perimeter, area & the ability to do simple word problems. The MathUSee Pre-Algebra Student pack is needed for class. The text book & DVD are optional. Please purchase the student pack prior to the first class.☒						
Writing the Research Paper	7th-9th	Christine Miklas		\$40	\$0	\$0
This course will guide students through the process of writing book report/critiques as well as a formal research paper. The first two weeks will be devoted to book report/critiques. The last eight weeks will cover a step-by-step process to writing a research paper.☒						
A Studio for a Well-Rounded Art Critic (30 weeks)	7th-Adult	John Everhart		\$140	\$0	\$40
This is a Studio Class that covers several genre (Drawing, Illustration, Watercolor, Comic Illustration, Music, Graphic Design, Sculpture and possibly Ceramics) with the intent of also developing critical thinking in Art History. It will be made appropriate for both advanced and beginning students of the Arts.☒						
CPR/First Aid	7th-Adult	Rebecca Schulze		\$50	\$0	\$0
American heart association heartsaver CPR/first aid course. Students will complete CPR training and basic first aid. Upon successful completion, students will receive the heartsaver CPR certification. Younger students must be able to perform a successful chest compression to become certified.☒						
Digital Photo Manipulation	7th-adult	Jamie Eberly		\$30	\$0	\$0
In this class we will be learning how to use a free version of Photoshop called GIMP. Skills learned in this class could be used for Graphic Design. Students will need to bring their own laptop and download the program beforehand.☒						
German 1A (30 weeks)	7th-Adult	Shallon Rohrer	<i>Deutsch Aktuell 1, 6th edition, copyright 2010</i>	\$185	\$0	\$0
This is a 30-week beginner level German course for high school students. We will be working through the first half of the textbook Deutsch Aktuell 1. We will spend class time going over grammar, vocabulary and some German culture and history as it pertains to each lesson. Class participation and completion of homework every week are expected. Effort is required to learn a language, so please come to class prepared to work.☒						
Algebra 1 (30 weeks)	8th-10th	Jennifer Eberly	<i>Math-U-See Algebra 1 Student Pack</i>	\$150	\$0	\$0
Pre-requisite: Pre-Algebra or teacher approval. This course is taught based on MathUSee Algebra I. The MathUSee Algebra I Student pack is needed for class. The text book & DVD are optional. Please purchase the student pack prior to the first class.☒						
Meteorology (30 weeks)	8th-12th	Larry Everhart		\$150	\$0	\$0
You'll learn the difference between climate & weather, what air masses, fronts, high & low pressure areas are, what the jet stream is, cloud type identification, and how all of these combine to create our weather. We will focus on the formation & path of storms and the weather that attends them. You'll begin to learn how to forecast and there will be a forecasting competition.☒						
German 1B (30 weeks)	8th-Adult	Shallon Rohrer	<i>Deutsch Aktuell 1, 6th edition, copyright 2010</i>	\$185	\$0	\$0
This is a 30-week German course for high school students. We will be working through the second half of the textbook Deutsch Aktuell 1. We will spend class time going over grammar, vocabulary and some German culture and history as it pertains to each lesson. Class participation and completion of homework every week are expected. Prior completion of German 1A or equivalent is required.☒						
Apologia Biology Lab Class (30 weeks)	9th-12th	Darlene McCosby	<i>Exp Creation with Biology(3rd ed.) text & Sol/Test Manual</i>	\$170	\$0	\$0

Our Groups: TEACH

This lab class accompanies the Apologia Exp Creation w/ Biology (3rd edition, newest edition) curriculum and includes the study of bacteria, protists, fungi, plants and animals. Class time will be used to complete the laboratory exercises and reinforce the concepts of the text. Includes homework and quizzes. A course grade will be provided.						
Apologia Chemistry Lab (30 weeks)	9th-12th	Darlene McCosby	<i>Exp Creation with Chemistry (3rd ed)+ Test/Sol Manual + calculator</i>	\$190	\$0	\$0
This 2-hour lab class accompanies the Apologia Exp Creation with Chemistry (3rd edition) curriculum. Class time will be used to complete the laboratory exercises, to reinforce and supplement the concepts of the text and to review practice problems. Includes homework and quizzes. A course grade will be given.						
Apologia Marine Biology (30 weeks)	9th-12th	Darlene McCosby	<i>Exp Creation with Marine Biology (2nd ed) rental available</i>	\$170	\$0	\$0
This 1-credit high school marine biology lab class accompanies the Apologia Exp Creation with Marine Biology (2nd edition) curriculum and includes the study of oceans, marine invertebrates and vertebrates, marine ecology, intertidal zones, coral reefs, estuaries, ocean resources and more. Class time will focus on conducting the laboratory experiments and supplementing material provided in the text. Weekly homework will be assigned and a course grade will be provided.						
Around the World in 180 Days (30 weeks)	9th-12th	Marian Barnett	<i>Around the World in 180 Days Student Notebook</i>	\$120	\$32	\$0
Around the World in 180 Days is a geography and history program covering the history, geography, and culture of every continent. This is not a textbook rather, it's a series of questions that the student must research in order to answer. Students will be drawing maps, doing projects, using classroom discussions, and hopefully some special guests to explore the world around us.						
Environmental Agriscience (30 weeks)	9th-12th	Darlene McCosby		\$170	\$0	\$0
This 1-credit high science class will focus on topics such as forestry, soil science, wildlife management, agriculture, water quality, air quality, energy use and more. Daily homework will be provided via the teacher's website, and class time will include related activities. A final course grade will be provided. Students must have internet access.						
Fundamentals of Grammar and Writing (30 week)	9th-12th	Melissa Horning	<i>Sadlier Grammar for Writing level 11</i>	\$190	\$0	\$0
We will solidify the basics of our language for fluent and well structured oral and written expression. As we address the basics of grammar (parts of speech, sentence structure, punctuation, etc.), we will apply what we are learning in our writing and speaking. Lots of whole group interaction! Student must buy the grammar text: Sadlier Grammar for Writing level 11; and bring a personal journal for grammar notes.						
Geometry (30 weeks)	9th-12th	Jennifer Eberly	<i>Math-U-See Geometry Student Pack</i>	\$150	\$0	\$0
Pre-requisite: Algebra I. Please note this is a high school Geometry class that uses Algebra I skills. This course is taught based on MathUSee Geometry. The MathUSee Geometry Student pack is needed for class. The text book & DVD are optional. Please purchase the student pack prior to the first class.						
Life Lessons from the Classics (20 weeks)	9th-12th	Melissa Horning		\$95	\$0	\$0
The class will read together and independently, discuss, and respond to content in written form. Required books: Aesop's Fables, Pilgrim's Progress, The Screwtape Letters, and a journal for notes. Students should preview/skim through Pilgrim's Progress prior to the fall session. The Screwtape Letters will be assigned during Interterm. If all reading is completed this class will count as 1 HS credit for literature. This is a 20 week class at \$90 per semester with the spring class continuing from the fall.						
Pre-engineering - Electricity (30 weeks)	9th-12th	Larry Everhart		\$150	\$0	\$0
You'll learn what electricity is, how it acts, how to work with it safely and how electrical & electronic devices use it to improve our quality of life. We'll take the mystery out of concepts like voltage, current, resistance, power, Ohm's Law, series, parallel & combination circuits. You'll explore interesting devices like alternators, capacitors, inductors, transformers, diodes, LEDs and transistors. There will be lots of demonstrations including a 350,000 volt Tesla coil and the chance to build electrical/electronic projects.						
Public Speaking and Practical Life Skills	9th-12th	Elly Crist		\$40	\$0	\$0
We will have fun preparing and giving speeches like an elevator pitch, a Bible reading and spoken word poetry! There will be weekly speeches, preparation homework and videos on public speaking.						
Algebra II (30 weeks)	10th-12th	Jennifer Eberly	<i>Math-U-See Algebra II Student Pack</i>	\$150	\$0	\$0
Pre-requisite: Algebra I. This course is taught based on MathUSee Algebra II. The MathUSee Algebra II Student pack is needed for class. The text book & DVD are optional. Please purchase the student pack prior to the first class.						
Pre-engineering - Electronics (30 weeks)	10th-12th	Larry Everhart		\$150	\$0	\$0
Pre-Engineering Electricity is a prerequisite for this course with the exception of seniors who are taking or have taken Chemistry. Students will learn how diodes and transistors work and how they function in power supplies, amplifiers and project circuits like Tesla Coils, strobe lights, clap switches, subwoofer and phone booster amps, bi-amped audio power amplifiers and preamps. Students will build a wide variety of projects.						
Worldviews: Through the Lens of Scripture (30 w	10th-12th	Melissa Horning		\$190	\$0	\$0
Worldview class will address several worldviews such as Islam, Buddhism, Humanism, and Marxism. As we focus on the content of the worldview, we will investigate the origin of the worldview, the lives of chief proponents, the key tenets and documents, and contrast the claims with Scripture. Discussion and personal response are key components of the course. As options to using on line texts, a copy of the Qur'an, an Intro to Buddhism, a copy of the Humanist Manifesto I can be purchased. Info on the books to be purchased will be provided.						
Writing the Research Paper	10th-12th	Christine Miklas		\$40	\$0	\$0
This course will guide students through the process of writing a critique as well as a formal research paper. Lessons will include a step-by-step process to writing a research paper in MLA format. This class will also prepare students to write papers at the college level for those who plan to go on to further education.						
Apologia Physics Lab (30 weeks)	11th-12th	Larry Everhart	<i>Exp Creation with Physics (2nd ed)</i>	\$190	\$20	\$0
PREREQUISITE: Chemistry or special permission from instructor. This two hour lab class accompanies the Apologia Exp Creation with Physics (2nd edition) curriculum. Class will be used to complete all the lab exercises, to reinforce and supplement the concepts of the text and to review practice problems. Includes homework, quizzes and tests. A grade will be provided.						
Your Yearbook	11th-12th	Meredith Jarvis		\$45	\$0	\$0
Students will be guided through the process of making a yearbook for the co-op. They will receive instruction and guidance in areas of planning, photography, writing, and graphic organization as they compile all the components. All co-op families will be able to individually go online to order/purchase their own copy through the online service utilized. This is a 20 week class at \$45 per semester. The fall class will continue in the spring semester.						

MESSIAH UNIVERSITY

YOUNG FILMMAKERS' workshop



JUNE 19 - 24, 2022

A unique summer filmmaking program held on the scenic campus of Messiah University!

Designed to foster a community of young filmmakers through an enriching summer camp environment, the Young Filmmakers' Workshop provides college-level filmmaking skills for students in grades 10–12.

- Taught by industry professionals and experienced Messiah University faculty
- Students will discuss and practice storyboarding, shot construction and hands-on camera training.
- Personalized attention with a small class size

Students will also:

- Learn how to pitch story ideas
- Discover the basic techniques on how to bring their creative vision to the screen
- Produce a short video
- Learn to be a writer, director, actor, cinematographer and editor

Sample schedule

Sunday	Registration, concepts, storyboarding
Monday	Equipment, filming and film screening
Tuesday	Filming and editing
Wednesday	Filming and editing
Thursday	Filming and editing
Friday	Editing and student film screening

Tuition, room and board

Students will reside and dine on campus within walking distance from class in film studies and editing suites. Students are chaperoned by trained resident assistants. Scholarships available.

Resident student: \$675
Commuter student: \$575

** Local students are strongly encouraged to take part in the full residential program.*

messiah.edu/filmmakersworkshop

MESSIAH UNIVERSITY

YOUNG WRITERS' workshop

A unique summer writing program held on the scenic campus of Messiah University

- Designed to foster a community of young writers through an enriching, summer writing camp environment
- Provides college-level writing skills development for students in grades 9–12
- Offers intensive courses in creative writing taught by published faculty and writers.
- Fields trips, poetry readings and other activities are included.
- Personalized attention—class sizes limited to 15 students
- Practical session about how to write a college admissions essay

Sample schedule

Sunday	Registration, class, film
Monday	Class and activities
Tuesday	Class and guest readings
Wednesday	Class and talent show
Thursday	Class and activities
Friday	Field trip and student reading

Tuition, room and board

Students will reside and dine on campus within walking distance from class in Boyer Hall. Students are chaperoned by trained resident assistants. Scholarships available.

Resident student: \$625
Commuter student: \$525

** Local students are strongly encouraged to take part in the full residential program.*

messiah.edu/writersworkshop

JUNE 19 - 24, 2022

Scholarships available for both workshops. Application is on the website.

For more information, contact Sally Keefer, assistant to the special projects coordinator:

skefer@messiah.edu | 717-691-6013



Lititz Home Educators

www.homeschool-life.com/pa/lhe

ANNUAL LHE MEET & GREET

MAY 10TH 6:30PM - 8PM • 124 W. MILLPORT ROAD LITITZ, PA 17543

Interested in finding out more about LHE? All current and prospective members are invited to our annual Meet & Greet! Bring your unsigned affidavits because we will have a notary on site to complete your paperwork for next year! \$5/document. Additionally, we will have light refreshments and gently used books & curriculum to share. Big changes are on the horizon for LHE & we want you to be a part of it! Contact Kyrie Zimmerman at lititzhomeeducators@gmail.com for more info.



Lititz Home Educators is a unique alternative to a weekly co-op. It allows you to be connected to other homeschoolers without a weekly time commitment. Members serve the group in some way during the year and can pick and choose opportunities that interest their family and suit their schedule. Many members use it in addition to a weekly co-op as it provides enrichment opportunities and a safe, closed e-mail forum for communicating with other like-minded homeschoolers. You can ask questions, borrow and buy new curriculum, seek recommendations, find out pertinent information and opportunities for homeschoolers, and more! LHE is the perfect addition to your home school and a great way to be connected. Come build relationships with us as we serve each other. For detailed information about becoming a member, please contact lititzhomeeducators@gmail.com or visit www.homeschool-life.com/pa/lhe.

Registration
Opens
July 1 - July 31

UPCOMING LHE MEMBER ACTIVITIES

(MORE DETAILS AND SIGN-UPS ON THE LHE CALENDAR.)

Annual Parent Meeting - May 10th

We are strongly encouraging every one of our families to show up and hear what's in store for our next year! Big changes are on the horizon and we want you to be a part of it. We will also be recapping the past year, gathering new ideas, addressing any concerns and answering all of your questions. If you have a friend that may be interested in LHE in the coming year - bring them too! The annual meeting is for parents only (nursing infants always welcome). **Light refreshments** will be provided, there will be a **notary on site** so bring your unsigned affidavits (\$5/document), and we will be offering a **'jumble swap'** of your gently used goods to share with our other families. So, bring your older curriculum materials, the clothes that are just too small, your favorite reads that you are ready to pass along, and anything else that you'd love to make space for and offer another LHE

family. Sign up for a joyful evening together via the LHE calendar and reach out with questions to Kyrie at lititzhomeeducators@gmail.com. We look forward to seeing you all there! More info above!

Check it out! Hands-On Wildlife in the Northeast

Who's busy and curious about animals?! On **April 13** we'll be getting an up-close and personal look at wildlife native to U.S. Northeast. At the Environmental Center, we'll get to learn by checking out their many, many animal specimens. We'll also have the option to get outside to look for animal signs. See LHE calendar for more details.

Fibonacci Hike

This hike, on **April 20** is geared for ages 8-13, but whole families are very welcome. Sequences — Seeing design in nature — Did you know that there is evidence of design all around us? In this unique class, students will explore different mathematical sequences and create their own.

Turkey Hill Taxidermy

Join us for a trip to the taxidermist! We'll explore how they preserve some of our area's most beautiful creatures for up to TWO hours. ;) This is a free trip for all ages. The one thing they ask is that you supervise your children and make sure they don't touch anything unless they are told they can. See LHE calendar for more details.

Park Play Date

Come join us at one of our favorite parks! Meet us at the Tree House Playground of Lititz on **April 25, 2022**. See LHE calendar for more details.

Come + Play, the Native American Way!

Who knew that Native Americans learned by playing games?! In this class on **April 26** we will play and learn games just as the Native Americans did. It's a great way to learn about their history + culture, in a fun and relaxed way. See LHE calendar for more details.

Collison Repair Shop Field Trip

Come take a tour of Lichty Brothers collision repair facility on **April 26!** See the workings of a collision repair shop, and the process a vehicle must go through to be fully repaired. Tow trucks will also be on-site for the kids to sit in, and there will be an airbag deployment demonstration. Space is limited to 20 people, so please register ahead of time. See LHE calendar for more details.



Fly, Fly, Butterflies (& Moths)!

Join us on **May 2** for an interactive hour of learning about butterflies and moths at the Lancaster Environmental Center! A guide will introduce us to their lifecycle, food requirements, and habitats, and will show us their collection of butterfly specimens up close. All ages are welcome! The cost is \$7 per family. See LHE calendar for details.

Longwood Gardens Field Trip K-2

Ever wonder what plants need to grow? Discover the wonderful world of plants by thinking like a gardener as you identify the simple parts of a plant, determine what plants need to grow, and explore what parts of the plant can be eaten. This field trip on **May 2** is geared towards grades K-2. See LHE calendar for details.

Behind the Scenes at Smoketown Helicopters

On **Wednesday, May 4**, join us for a behind the scenes tour of Smoketown Helicopters at Smoketown Airport. Come see how their business operates and get an up-close look at their aircraft! We will hear from a pilot himself. All ages are welcome though the tour will be geared toward ages 5-10. Please see details and sign up via the LHE calendar.

Pond and Farm Fun

Join me and my boys on **Monday, May 9** to look for tadpoles, crayfish, minnows, + pond critters galore! We welcome you to our home, to explore our creek and pond. For those more interested in warm-blooded critters, we also have a variety of small barn animals for you to learn about and snuggle. Bring a picnic lunch or snacks if you so desire! See LHE calendar for details.

Park Play Date

Come enjoy the beautiful outdoors by playing at the Lititz Springs Park for a play date on **May 12**. Hopefully there will be ducklings to watch by then. Feel free to pack a lunch. We are looking forward to getting to know other families. See LHE calendar for more details.

Tea Time Book Discussion

LHE members, if you've read Matilda by Ronald Dahl, and are between the ages of 8 - 12, you are cordially invited to our girl's Tea Time Book Discussion on **May 16!** Please feel free to dress up and wear a fancy hat, if you so desire. Sign up via the LHE website calendar.

I could EAT that?! Wild Edibles Class

What's food and what's dangerous out there? We might not have Timon + Pumbaa or Baloo the Bear to show us how to pick a prickly pear, but we will have a professional in our midst. :) In this class on **May 16**, a Lancaster County Park Naturalist will guide us through the blooming spring forage to discover what's edible--and what's not-- in the wild. See LHE calendar for more details.

Mosaic Art with Beans and Seeds

Join us as we use dried beans and seeds to make fun and creative mosaic art on **Friday, May 20**. Any age is welcome, although young children will need parental assistance, as this project can get messy with glue and seed spills. Older children and teens can also enjoy this activity, as the project can be easily tailored to different individual skill levels. See LHE calendar for more details.

Our Groups: L.H.E.

The Tree House Playground

Join us for some playtime at the Tree House Playground in Lititz on May 20. Everyone welcome. See LHE calendar for more details.

Author's Club

On **May 23**, bring your short stories, essays, poems or the novel you are writing! Author's Club is a time for friends who are 10 - 15 years old to gather and read their writings aloud to one another. Author's Club is meant to be a time for peer review, peer encouragement & peer brainstorming.

Art in the Park

Please join us for an afternoon of art and play at the park. On **Tuesday May 24** we will meet at 2pm at the upper pavilion at Manheim Township Park (209 Petersburg Rd, Lancaster, PA 17601). I will provide an instructional 30 minute art lesson starting at 2pm, for kids age 5 and up with the art focus

being (K-2). After finishing our creations families are welcome to join us for some unstructured play time at the nearby playground. Please see the LHE calendar for more details and a list of basic supplies you need to bring for your child to participate. This event will be canceled if it is raining, with a rain date of May 31st.

Hayloft Ice Cream and Playground Play Date

Join us for lunch at Hayloft Ice Cream in Leola, PA On **May 26**. There is an indoor and outdoor seating area to eat lunch. The outdoor lunch seating area is under a pavilion in the playground area so you can enjoy socializing with us and any other parents while sipping a drink or eating. You can either pack a lunch for you and your children or purchase a meal in Hayloft Ice Cream. See LHE calendar for more details.



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or email chexcoop@yahoo.com.



TIME: We meet on Wednesdays with devotions and announcements starting at 8:45 am. Classes begin at 9 am. We have three class periods for 55 minutes each, ending at noon. All families are welcome to enjoy their lunches together at noon.

LOCATION: Calvary Baptist Church, 530 Milton Road, Lancaster (off Lampeter Road), centrally located near Rt. 30. We use CBC's facilities, but we are not affiliated with the church.

DROP-OFF STUDENTS: Grades 7-12. The drop-off fee includes CHALC fee and CHEX member-

ship for an unlimited number of classes. Each class fee is individually priced by the teacher.

Making plans for next school year?

Registration for new CHEX members is now open. Find out more here and on our website!

MEMBERSHIP: Includes classes, track & field day, standardized testing option, CHEX Showcase, social events & more.

FORMAT: Moms teach or help in classes for two hours and join "Prayer & Share," a time of fellowship & encouragement with other moms, for a third hour. Elementary (nursery thru 6th) meets 8 weeks each fall and spring; nursery provided. Second Level academic classes meet 12 weeks each semester.



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Visit chexhomeschool.org
or email chexcoop@yahoo.com.

Second Level Schedules for 2022-23

Fall 2022	9:00-9:55	10:00-10:55	11:00-11:55
8 weeks	Calligraphy (grades 6-12) 8 weeks \$25	Scrapbooking (grades 6-12) 8 weeks \$10	Astronomy (grades 6-9) 8 weeks \$25
	Personal Finance (grades 9-12) 16 weeks \$50		Creative Writing (grades 7-12) 8 weeks \$10
	Elementary Class Helper (grades 7-12) 8 weeks	Elementary Class Helper (grades 7-12) 8 weeks	Elementary Class Helper (grades 7-12) 8 weeks
	Study Hall (grades 7-12) 8 weeks	Study Hall (grades 7-12) 8 weeks	Study Hall (grades 7-12) 8 weeks
12 weeks	World War II: An Overview (grades 6-12) 12 weeks \$20	IEW Writing: Modern History (grades 9-12) 24 weeks \$185	Biology Labs (grades 9-12) 24 weeks \$190
	Apologia General Science Labs (grades 6-9) 24 weeks \$120	IEW Writing: The Magician's Nephew (grades 6-9) 12 weeks \$70	Becoming an Entrepreneur (grades 7-12) 12 weeks \$20
		Apologia Physical Science Labs (grades 7-9) 24 weeks \$150	

Spring 2023	9:00-9:55	10:00-10:55	11:00-11:55
8 weeks	Personal Finance (grades 9-12) 16 weeks \$50	Elementary Class Helper (grades 7-12) 8 weeks	Elementary Class Helper (grades 7-12) 8 weeks
	Job Skills (grades 7-12) 8 weeks \$20	Study Hall (grades 7-12) 8 weeks	Study Hall (grades 7-12) 8 weeks
	Elementary Class Helper (grades 7-12) 8 weeks Study Hall (grades 7-12) 8 weeks		
12 weeks	Intro to Public Speaking (grades 6-12) 12 weeks \$20	IEW Writing: Modern History (grades 9-12) 24 weeks \$185	Theater Tips (grades 6-12) 12 weeks \$20
	General Science Labs (grades 6-9) 24 weeks \$120	IEW Writing: The Lion, the Witch, & the Wardrobe (grades 6-9) 12 weeks \$70	Kitchen Science (grades 7-12) 12 weeks \$30
		Imagineering in a Box (grades 7-12) 12 weeks \$20	Biology Labs (grades 9-12) 24 weeks \$190
		Physical Science Labs (grades 7-9) 24 weeks \$150	

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Conestoga Valley Homeschoolers

www.homeschool-life.com/pa/cvhomeschoolers/

CV Homeschoolers, a Christian-based, parent-run co-op meets ten weeks from September through November and ten weeks from February through April on Thursday afternoons.

We offer Nursery and Preschool. Grades K-6 have choir, gym, and an elective each semester. Grades 7 and up have two or three electives each semester with music/choir in the spring. Electives include academic and non-academic classes.



Membership fee includes ALL classes for ALL of your children for both semesters. Some classes may require that you purchase certain books or pay additional fees to cover needed supplies, but we always try to offer a “no-additional cost” class option for every period and age group. Our parents volunteer to teach the classes and fill helper positions. We rely on parent participation and offer activities that parents are willing to organize and staff. This keeps our costs low and affordable for all family sizes and incomes.

***We will meet each week at DOVE Westgate Church in Ephrata
January 27th - March 31st, 2022 (12:45 - 3:25pm)***

A look at CV Homeschoolers' APRIL:

Apr. 2, 2022

7-Up Game Night

Apr. 8, 2022

Spring Concert Rehearsal & Concert

Apr. 9, 2022

Spring Concert at DOVE Westgate Church

Apr. 19, 2022

Learning Fair at Dove Westgate Church

What's coming up in MAY:

May 2, 2022 9:30am - 2:00pm

Service Day at DOVE Westgate

May 9, 2022 9:30am - 2:00pm

Rain Date: Service Day at DOVE Westgate

May 14, 2022

Field Day at Intercourse Community Park

PARK DAYS

11:00am - 2:00pm at various parks
around Lancaster County

April 7th - Overlook Park

April 21st - Lititz Tree House Park

May 2nd - Elizabeth Township Park

Rain date May 9th

(Coincides with 7up Service Day)

May 5th - Amos Herr Dream Park

May 19th - Intercourse Community Park

June 2nd - Long's Park

June 16th - Lloyd H Roland Memorial Park

June 30th - Paradise Park

July 14th - South Hills Park

July 28th - East Lampeter Park

August 4th - Daniel's Den Park

August 18th - Terre Hill Memorial Park

Sept. 1st - Memorial Park



Treasures of Grace Home Educators

Treasures of Grace is a Christ-centered co-op that seeks to support and encourage member families in their homeschooling journey through friendship development, encouragement, and prayer.

<https://www.homeschool-life.com/PA/treasuresofgrace/>

Our group will be meeting at a new location this year:

**Lancaster Alliance Church,
210 Pitney Road, Lancaster.**

Reminder: Our co-op day has changed to **TUESDAY**,
bi-weekly from 9:30am - 1:30pm.

Our Calendar

5/7 - Moms' Retreat

5/10 - Presentation by Raven Ridge Wildlife Center

5/18 - Lancaster Symphony Orchestra and Carnegie Hall Link Up

5/21 - Spring Picnic

Seniors

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Contact: Arnolda Brenneman for more information at
ARK.Residency@protonmail.com or 717-295-5732



Upcoming Events at



HOMESCHOOL HAPPENINGS

3RD WEDNESDAY OF EVERY MONTH

Homeschooled students are invited to join us on the Mountain monthly for experiential learning! Topics will focus on phenology of the Appalachian forest ecosystem. Programs are designed for K-12 students and are filled with hands-on learning activities both inside and outdoors. **Registration required. Visit hawkmountain.ticketleap.com for details.**

SUMMER NATURE CAMP

JUNE 20TH - AUGUST 12TH
2022 REGISTRATION IS OPEN!

Our Summer Nature Camps, designed for youth entering grades 1st – 6th, get kids outdoors, developing a deeper connection with the natural world through fun and educational activities. Campers can choose weekly topics of interest or join us for the entire summer! **Visit hawkmountain.org/summercamps for details.**

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www.homeschool-life.com/pa/mach

For the 2022-23 school year, we will be a **26-week**, academic co-op where your child will receive all the necessary instruction for science and history as well as writing and literature for upper classes. Your child will enjoy class interaction and learn to be responsible to another teacher. Moms enjoy connecting and supporting one another in our family atmosphere. An option for high school students to attend without parental participation is also available.

Classes are held on Tuesdays at the East Fairview Church of the Brethren in Manheim, PA.

Class Dates for 2022-2023

Sept. 13, 20, 27
Oct. 4, 11, 18, 25
Nov. 1, 8, 15, and 22
Jan. 3, 10, 17, 24, 31
Feb. 7, 14, 21, 28
Mar. 7, 14, 21, 28
Apr. 4, 11, and 18
 (Snow Make-Up Day/
 Spring Break to be determined)

FALL ELECTIVE SCHEDULE 2022 11 weeks		SPRING ELECTIVE SCHEDULE 2023 15 weeks	
12:30 - 1:30	1:30 - 2:30	12:30 - 1:30	1:30 - 2:30
Gym / Holidays & Seasons (Ages 3 - grade 1)	Open Nursery (Ages 3 - grade 1)	Gym / Stories & Crafts (Ages 3 - grade 1)	Open Nursery (Ages 3 - grade 1)
Drama / Choir (grades 2 - 9)	Life & Safety Skills (grades 2 - 6)	Drama / Choir (grades 2 - 9)	Art (outer space theme) organized games (grades 2 - 6)
A & P (grades 9 - 12)	Volleyball (grades 7 - 12)	A & P (grades 9 - 12)	Volleyball (grades 7 - 12)
12:30 - 2:00		12:30 - 2:00	
Chemistry (grades 10 - 12)		Chemistry (grades 10 - 12)	High School Art (grades 7 - 12)

Please contact Kim Groff, New Member Coordinator, at 717-572-3821 or mkcgroff@gmail.com
 or Vicky Goodman, Administrator, at RVGoodman1995@gmail.com for more information. Or visit our [website](#).

MACH 2022-2023 AM Schedule

	9 – 10 am	10 - 11 am	11 – 12 am	12:30 - 1:30 pm
Nursery	Child Care Provided	Child Care Provided	Child Care Provided	
2 & 3's	Storytime	Snack & Activity	Playtime/Gross Motor Skill Activities	
Preschool (3 ½ -5)	Alphabet time	Activity & Snack	Motor Skill Activities	
Kindergarten	Science	History	Gym with 1st/2nd grade	
1st/2nd Grade	History	Hands-On-Science	Gym (K-2)	
3rd Grade	Science: Apologia Zoology 1 (Flying Creatures)	Gym (3-6)	American History	
4th Grade	Science: Apologia Zoology 2 (Swimming Creatures)	Gym (3-6)	PA History	
5th & 6th Grades	Science: BJU 6/Apologia Exploring Creation w/ Human Anatomy	Gym (3-6)	Middle Ages	
7th & 8th Grades	Life Science with lab (may begin at 8:40 some mornings)	World Geography (With 9 th)	Writing and Literature	
9th Grade	Physical Science with lab (may begin at 8:40 some mornings)	World Geography (with 9 th)	Writing and Literature	
10th – 12th Grades	English w/American Lit.	Spanish II	American Government & Civics	Chemistry with lab (12:30-2:00)
				Anatomy & Physiology

MACH Elementary Class Descriptions and Book List for 2022-2023

2 and 3-Year Old's

This class will focus on cooperation with other children, in addition to learning and developing motor skills such as coloring, tracing, cutting, and pasting. This class will also allow structured playtime, as well as story time and snack time.

A class fee of \$5- \$10 may be charged at the end of the year to cover the cost of copies, craft supplies, and a possible workbook.

Preschool

A variety of activities are used to develop gross and fine motor skills, including cutting, pasting, coloring, writing, and group songs and games. Colors, shapes, and numbers are introduced and studied, but the primary emphasis is on learning the sounds and how to write each letter of the alphabet. We focus on one letter per week and read various books and do hands-on-activities to enhance learning the letter of the week.

There is a class fee of \$5-\$7 per semester to cover materials and copies, and a possible workbook used in class.

Kindergarten--2nd Grade Gym Class

In this class we will be working on developing large motor skills through fun group games, sports exercises, jumping rope, and other activities. This will be done in an encouraging environment fostering an appreciation and interest in physical accomplishment.

Kindergarten Science

This science class will cover a variety of topics related to science such as the senses, weather, plants, animals, and more. Experiments, worksheets, and other hands-on activities will enhance learning. No textbook needed. A class fee for copies and supplies will be collected at the end of the year.

Kindergarten History: Life in Plymouth Colony

This hands-on history class will help history come alive for young learners by focusing mainly on the voyage of the Pilgrims to the New World, life in the new colony, and what the Pilgrims have given us. In addition to history, each class will begin with "calendar time", where students will concentrate on reviewing the current date, and learning the days of the week and months of the year. The rest of the class time will be devoted to hands-on-activities and projects. No textbook is required. A class fee will be charged at the end of the year to cover the cost of copies and supplies. Some optional projects may be assigned outside of class.

1st & 2nd Grade History: Native Americans History Pockets

This year's hands-on, craft-based course will focus on eight Native American tribes' food, clothing, shelter, and family life. Students will also study the life of David Brainerd, an early American missionary to the Native Americans. In addition to history, each class will begin with "calendar time", where students will concentrate on reviewing the current date, and learning the days of the week and months of the year. Special emphasis will also be given to important holidays, such as Columbus Day, Thanksgiving, President's Day, etc. The rest of the class time will be devoted to hands-on-activities and projects. No textbook is required. A class fee will be charged at the end of the year to cover the cost of copies and supplies. Some optional projects may be assigned outside of class.

1st & 2nd Grade Science

This hands-on learning class will cover a variety of topics related to physical science. Young learners will discover what energy and matter are, how simple machines work, what the planets are like, why the earth has seasons, how the water cycle works, and how mountains are formed. Throughout these studies, the Bible will be brought to life while learning how God is the author of all science! The textbook will contain activity pages which students will use to create their own science notebooks. There will be a small fee charged at the end of the year to cover the cost of supplies and copies.

- Required textbook: *Let's Talk Science: Adventures in the Physical World: Level 2* by Master Books, ISBN: 978-1683442103

3rd Grade Science: Flying Creatures

This hands-on learning class will explore the study of birds, bats, and flying insects and how these creatures point toward a Creator. Students will also learn about flight and develop classification skills. Class time will consist of various projects and experiments to enhance their studies. A copy and supply fee will be collected at the end of the year.

- Required books: *Exploring Creation with Zoology 1: Flying Creatures of the Fifth Day*, published by Apologia, ISBN 978-1-932012-61-3

3rd Grade American History

In this class, students will learn about the "Dawn of Opportunity," examining the events from the 1700's to the 1900's. Geography begins the year, then we will learn about the mass of people immigrating to America; how that changes the look of America and what freedom means. We will study missionaries, the fifty states in America, the explosion of inventions and how that also changed the way America looked and operated. We will touch on some world history and end with government and economics. This class will include sequencing events, summarizing data, making predictions, work with graphs, and forming opinions. Students will have weekly homework assignments, write several reports, and do projects and other hands-on activities. A fee will be charged to cover the cost of copies and other supplies.

- Required book: *Bob Jones University Press Heritage Studies 4, Student Text (2nd ed.)* ISBN# 0-89084-916-1 *Note this is an older edition and can be easily purchased used.

3rd-6th Grade Gym

This class will cover a variety of sports/activities including, but not limited to, soccer, basketball, hockey, dodgeball, yard games and other various recess games. There will be a mileage club for students to participate in which will promote and encourage walking and running as ways to stay active every day. This club will offer incentives and will track students' distances during the week. There will be a big focus on the virtues in the Bible and how they can be applied to good sportsmanship on and off the field. There will be short quizzes and/or worksheets which students will complete during class time and will be useful to include in the student's portfolio. A fee may be charged at the end of the year to cover the cost of copies.

4th Grade PA History

This class will be a yearlong in-depth study of our state of Pennsylvania: it's government, history, natural resources, industries, peoples and cultures. We will be reading books relating to PA History, writing/presenting book reports, compiling information through timelines, a lap-book, and hands-on-projects. One of the goals of the class will be to learn the states and capitols of the United States, as well. Several field trips will be offered for this class.

- Required books (can be purchased at: www.shpublishing.com):
 - *PA Keystones* by Susan Kemmerer ISBN# 0-9758543-2-1
 - *PA Keystones Student Activity Pack* ISBN# 0-9758543-3-X

4th Grade Science--Swimming Creatures of the Fifth Day

Using Apologia's *Exploring Creation with Zoology 2: Swimming Creatures of the Fifth Day*, students will learn about God's incredible world of aquatic animals and their ocean habitat. Various ocean animals will be studied, including whales, seals, sea turtles, fish, sharks, crabs, octopuses, sea stars, jellyfish, and many more. There will be weekly homework assignments, as well as intermittent projects. Class time will include group activities and experiments. A copy/supply fee will be collected for this class.

- Required books: *Exploring Creation with Zoology 2: Swimming Creatures of the Fifth Day*, published by Apologia; ISBN 978-1-932012-73-6

5th & 6th Grade History: Middle Ages

This class will cover the period of history from the fall of Rome to the beginning of the Renaissance. It will include the rise and fall of many Empires. Every continent will be visited as many facts about the people and places all over the world are discovered. This course will include a book report, activities in class, projects, and map studies.

- Required books:
 - *Story of the World, Volume 2* by Susan Wise Bauer (textbook) ISBN# 0-9714129-3-6 (the revised edition may also be used)
 - *Story of the World Volume 2 (Student pages)*- ISBN#- 9781933339160 (The consumable student pages or the downloadable version can be ordered at welltrainedmind.com)
 - *Questions and Answers: Knights and Castles* by Philip Brooks ISBN# 978-0753453711
 - *Castle* by David Macaulay ISBN# 0-395-32920-5
 - *Ink on His Fingers* by Louise Vernon- ISBN# 0-8361-1673-9
 - *The Door in The Wall* by Marguerite de Angeli - ISBN#- 978-0-440-40283-1

5th & 6th Grade Science

In this class, students will study the following topics: Earthquakes & Volcanoes, Weathering & Erosion, Natural Resources, Cells & Classification, Plant & Animal Classification, Plant & Animal Reproduction, and Human Anatomy & Physiology. Along with regular weekly reading and workbook assignments, one project and report will be assigned each semester for students to complete and present in class. Classes will consist of lesson review, games, experiments, group activities, etc. A copy/supply fee will be collected at the end of the year. (**BJU tests are optional - Students who choose to do the tests, will complete them at home and the teacher will collect and grade them.) *Note: Only half of the BJU books will be used each year. Students beginning this class in 5th grade, will complete the books in 6th grade.

- Required books:
 - *BJU Science 6 student textbook*, 4th edition ISBN 978-1-60682-206-7
 - *BJU Science 6 Activity Manual*, 4th edition ISBN 978-1-60682-217-3
 - *BJU Science 6 Tests Booklet*, 4th edition ISBN 978-1-60682-219-7 (OPTIONAL)
 - *Exploring Creation with Human Anatomy & Physiology* by Apologia, ISBN 978-1-935495-14-7

Gym/Holidays & Seasons/Stories & Crafts: Ages 3 years to grade 1 (12:30-1:30)

Activities for this hour will begin with about 20 minutes of gym time activities, followed by hands-on projects and crafts related to the holidays and seasons (apples, pumpkins, leaves, Thanksgiving, Valentine's Day, etc.) Stories, games, puzzles, and educational videos may also be incorporated into class time.

Choir/Musical (2nd- 9th grades)

Teacher: Jamie Gerlach

This class will provide instruction of musical elements including rhythm, singing with healthy technique, reading music, and performing. A drama component may also possibly be added. Teacher: Jamie Gerlach. Approximate cost is \$50--100/student but is dependent on the number participating and whether the class is a half or full-year class. (A minimum of 25 students is needed by the teacher for the musical to be held.)

Life & Safety Skills: Grades 2-6 (1:30-2:30, Fall semester)

Teachers: Rotating moms and visitors

This afternoon elective will cover a variety of topics pertaining to daily life, dangers, and safety (strangers, internet use, emergencies, self-defense skills, CPR, farm hazards, guns, bicycle/road, water, ice, fire, and kitchen safety.) We will be inviting various workers from different fields to teach practical skills the children should be aware of and use. For topics in which we cannot find a field worker, various moms will be responsible for teaching those topics. Role playing and instructional videos may also be incorporated into the class. There may be a minimal fee for each student which will be collected at the end of the semester.

Outer Space Art and Rocket Building: Grades 2-6, Spring semester)

This class will be overseen by moms of students in the class. Video tutorials of art projects using a variety of mediums will be provided as an option for use, however, moms also have the freedom to choose art projects of their liking, if it is geared toward an outer space theme. In addition, students will build their own rocket and will be given the opportunity to launch them together as a class. Students may need to provide their own art supplies and/or a fee may be charged for those supplies shared by all students.

MACH Junior High Class Descriptions and Book List 2022-2023

7th & 8th Grade Life Science

Teacher: LaWanda Miller

The aim of this class is to give you a better appreciation and understanding for life as God created it and to help you better develop your inquiry skills by using the scientific method. (And hopefully, have fun, while doing so! 😊) There will be a fee for this class collected at the end of the year to cover the cost of copies, dissection specimens, and lab supplies. (Cost will be kept at \$20/student or less.) Tests will be provided to take at home.

This course will cover the following subjects: cell structures and activities, photosynthesis, cellular respiration, genetics, heredity, viruses, bacteria and other single-celled organisms, fungi, plants, animals, and creation versus evolution. The first half of class will include lecture, followed by experiments and activities. There will be approximately 30-40 minutes of homework/day. This course includes a lab component. You will become proficient in using a microscope and making both a wet and dry mount slide. You will dissect your own owl pellet and earthworm. Several other specimens will be dissected together in a group setting. An optional unit on the human body systems may also be completed on your own at home, to round out your study of life science.

- Required books:
 - *BJU Life Science* (4th edition). ISBN: 9781606821619
 - *A Pocket Guide To...Charles Darwin His Life and Impact*, published by Answers in Genesis. ISBN: 978-1-60092-256-5 (You will not need this until the spring semester.)

7th & 8th Grade Writing & Literature

Teacher: Lindsey Shamberger

The middle school students will learn the fundamentals of the writing process and literary analysis. There will be several book studies with integrated writing assignments, literary concept and device usage, vocabulary, and comprehension questions. Grammar will be reviewed periodically throughout the year. An introduction to several essay types, the 5-paragraph essay format, and also a research paper will be covered. The class will create and publish a co-op newspaper for a fun class writing project! Assignments will be graded. There will be a copy fee of \$10-\$15 for the year.

- Tentative options for book studies:
 - *My Side of the Mountain* by Jean Craighead George
 - *The Little Prince* by Antoine de Saint-Exupery
 - *The Story of My Life* by Helen Keller
 - *The Old Man and the Sea* by Ernest Hemingway
 - *No Better Friend* (young readers edition) by Robert Weintraub
 - *Johnny Tremain* by Esther Forbes
 - Students will need a 3-ring binder with 3 dividers

7th-9th Grade World Geography

Teacher: Vicky Goodman

This one-year world geography course describes and explains the world God created. Students will learn about mankind's interaction with the world both in the past and in the present. Together, we will study economics, politics, religion, and cultures from around the world. We will learn how maps were created and used, and geographic terms and concepts. Students will also learn a biblical worldview and how it affects the way we live. Weekly reading assignments, questions pertaining to the reading assignments, quizzes after each unit, exams after five units, hands on projects, mapping activities, group projects and two book reports will be assigned to the student.

- Required books:
 - *Exploring World Geography Part I* by Ray Notgrass, ISBN: 9781609991548
 - *Exploring World Geography Part II* by Ray Notgrass, ISBN: 9781609991555
 - Both selections can be found at www.notgrasshistory.com or christianbook.com

Choir/Musical (2nd- 9th grades)

Teacher: Jamie Gerlach

This class will provide instructions of musical elements including rhythm, singing with healthy technique, reading music, and performing. A drama component may also possibly be added. Teacher: Jamie Gerlach. Approximate cost is \$50-100/student but is dependent on the number participating and whether it is a half-year or full-year course. (More details to come.) (A minimum of 25 students is needed by the teacher for the musical to be held.)

Volleyball (7-12th grades)

Skills and Drills will be practiced during the first half of the class, followed by playing of the game. Volleyball will not be held on the last day of the Spring semester, and for any other circumstances beyond our control (e.g., times the church may not allow us to use the gym, because of other church functions).

Art (Grades 7-12)

Teacher: Sara Gantz

Students will learn a variety of drawing techniques which will include geometric drawing, shading, drawing with lines and angles, grid drawing and drawing to proportions. The first 5 classes will consist of learning techniques and doing worksheets and studying the importance of using different forms of shading and techniques to create the best drawings. The remainder of the weeks will be spent working on putting together what we learned in creating a final masterpiece. The students will have to use their drawing techniques they learned to duplicate a staged photo of their choice or a self-portrait. A small fee will be collected for supplies but will be minimal.

MACH High School Class Descriptions and Book Lists 2022-2023

9th Grade Physical Science (also open to 10th graders who did not have this class previously)

Teacher: Leslie Smith

Physical science is the systematic study of God's creation and how it works. This course will be broken down into two components: we will study basic chemistry in the fall, including an introduction to matter, the periodic table, atoms, chemical reactions, acids, and bases, etc.; in the spring, our studies will include an introduction to physics in which we'll explore motion and force, waves (sound, light, electromagnetic), electricity, magnetism, among other topics. There will be weekly homework assignments (approximately 30-45 minutes per weekday) with some periodic projects. We will have classroom and at-home labs as well. There will be an additional fee for copies and lab materials, which should not exceed \$15.

- Required Textbook: *Prentice Hall Physical Science*, copyright 2009, published by Pearson Education, Inc.
ISBN #6860601336 or 9780133668605.

7th-9th Grade World Geography

Teacher: Vicky Goodman

This one-year world geography course describes and explains the world God created. Students will learn about mankind's interaction with the world both in the past and in the present. Together, we will study economics, politics, religion, and cultures from around the world. We will learn how maps were created and used, and geographic terms and concepts. Students will also learn a biblical worldview and how it affects the way we live. Weekly reading assignments, questions pertaining to the reading assignments, quizzes after each unit, exams after five units, hands on projects, mapping activities, group projects and two book reports will be assigned to the student.

- Required books:
 - *Exploring World Geography Part I* by Ray Notgrass, ISBN: 9781609991548
 - *Exploring World Geography Part II* by Ray Notgrass, ISBN: 9781609991555
 - Both selections can be found at www.notgrasshistory.com or christianbook.com

9th Grade Writing & Literature (This is a paid class for members)

Teacher: Emily Bucher.

This course teaches reading comprehension, composition, research, vocabulary development, applied grammar, and oral communication. Both fiction and non-fiction works are used with attention to understanding main ideas, supporting details, author's purpose, and literary techniques. Students will be challenged to think critically about their reading and to express their thoughts in composition. They will utilize different styles of writing, including narrative and persuasive, as well as literary analysis. Composition assignments will facilitate the development of mature sentences, the organization of effective paragraphs, and basic resource/research skills necessary for future academic courses. Assessments will include reading comprehension quizzes, grammar quizzes, graded writing assignments, Writer's Notebook participation, and a 6+ page research paper.

- Required Book List:
 - New writing book to be announced (details coming soon)
 - *Carry On, Mr. Bowditch* ISBN: 978-0-618-25074-5
 - *The Merchant of Venice* ISBN: 0-553-21299-0
 - *The Bronze Bow* ISBN: 978-0-395-13719-2
 - *The Hiding Place* ISBN 978-0-8007-9405-7

10th-12th English with American Emphasis

Teacher: to be announced

This course explores prose and poetry written by authors from America. Fascinating facts about historical events and the writer's private lives will augment our study of literary elements and themes in the Abeka American Literature book. The students will sharpen their written communication skills and deepen their understanding of literary themes through a variety of writing assignments (e.g., narrative, expository, persuasive, response, creative and research) and projects including one oral group presentation and a poetry recitation.

- Required books:
 - *Abeka American Literature 4th edition* (grade 11) ISBN: 10835901
 - New writing book to be announced.
 - *To Kill a Mocking Bird* by Harper Lee; ISBN: 9780446310789
 - *Literature Guide* by SparkNotes for *To Kill a Mockingbird*; ISBN: 9781586633486
 - *Up From Slavery* by Booker T. Washington (any unabridged copy will do)
 - *The Adventures of Huckleberry Finn* by Mark Twain (any unabridged copy will do)

Spanish II (Grades 9-12)

Teacher: Jennifer Dizon

The Spanish 2 course will be a continuation from Spanish 1. We will be beginning with Chapter 17, which is the beginning of the Spanish 1B Por todo el mundo book by Steven A. Guemann from the Abeka curriculum. Thus, if you already went through the Spanish 1 A you will be good to join us. We will also be using the Spanish 1 Vocabulary Manual for Por todo el mundo by Steven A. Guemann starting with part 3. This year's course will be covering words that pertain to the home, food, creation, and vacation. Students will build upon their previous grammatical knowledge from Spanish 1 to create more complex sentences. They will also learn how to witness to a Spanish speaking person. It would be wise for students entering this course to review independently throughout the summer their vocabulary from Spanish 1 so that the words learned would not be forgotten. Otherwise, the student will have a very rough start for the 2022-2023 school year.

- Required Books:
 - *Abeka Spanish 1A Por todo el mundo* by Steven A. Guemann
 - *Abeka Por todo el mundo Spanish Year 1 Vocabulary Manual* by Steven A. Guemann

American Government and Civics (Grades 10-12)

Teacher: Jeremy Martin

Students will study the government of the United States from its beginning to the present with a special emphasis on the Biblical pattern for government and the U.S. Constitution. The class will study the formation of state governments and experiences that shaped the creation of the Federal government. Students will read about several important historical figures including Presidents Teddy Roosevelt, Calvin Coolidge, Ronald Reagan, and White House Counsel Charles Colson. Quizzes, tests, mid-term, and final exams will be given in class. There will be an additional fee for copies and lab materials, which should not exceed \$10.

- Required Books:
 - *Exploring Government Student Text* by Ray Notgrass, 2016 edition, ISBN 9781609991005
 - *Exploring Government Student Review Pack* (2016) by Ray Notgrass, ISBN 978-1609990992
 - *We Hold These Truths* by Ray Notgrass and John Notgrass, 2016 edition, ISBN 9781609991012
 - *Mornings on Horseback* by David McCullough, published by Simon & Schuster, ISBN 9780671447540
 - *The Autobiography of Calvin Coolidge* by Calvin Coolidge, published by Intercollegiate Studies Institute ISBN 9781610171632
 - *Born Again* by Charles Colson, published by Chosen ISBN 9780800793777
 - *God and Ronald Reagan* by Paul Kengor, published by Harper Perennial, ISBN 9780060571429

Chemistry 10th – 12th grades (12:30-2:00)

Teacher: Galen Hershey

(This is a paid class for members)

A 26 week, 1 ½ hour class with a lecture and a lab. All aspects of high school chemistry are covered atomic structure, nomenclature, reactions, aqueous solutions, chemical composition, atomic theory, stoichiometry, chemical bonding, mass calculations, gases, solutions, orbitals, polar and ionic bonding, Lewis's structure, acids and bases, equilibrium, electrochemistry, oxidation and reduction reactions, radio activity, and into to organic and biochemistry. All materials and supplies will be included.

- Prerequisite: Algebra I
- Class Requirements:
 - Scientific calculator capable of doing logarithms
 - Notebook for taking notes
- Required book:
 - *Introductory Chemistry a Foundation, 4th Edition*, by Zumdahl, published by Houghton Mifflin Company; ISBN: 0-395-95536-X (If there is a picture on the site the book is blue and white.)
 - ****Note:** It is important that you get the fourth edition. The text is almost identical to the other editions, but the problems are different, and it's important that the students are doing all the same problems.

Anatomy and Physiology (10th-12th grades)

Teacher: Deborah Roche

(Note: This is a paid class for members)

This one credit course will cover the anatomy and physiology of the human body. We will begin with cellular metabolism and physiology. We will then cover, in detail, the anatomy and physiology of each of the following body systems: integumentary, skeletal, muscular, nervous, endocrine, blood, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive. This course will include class presentations. There will be a class fee for copies and supplies needed for each class, which should not exceed \$25.00.

- Required books: To be announced

Art: Grades 7-12 (Spring Semester)

Teacher: Sara Gantz

Students will learn a variety of drawing techniques which will include geometric drawing, shading, drawing with lines and angles, grid drawing and drawing to proportions. The first 5 classes will consist of learning techniques and doing worksheets and studying the importance of using different forms of shading and techniques to create the best drawings. The remainder of the weeks will be spent working on putting together what we learned in creating a final masterpiece. The students will have to use their drawing techniques they learned to duplicate a staged photo of their choice or a self-portrait. A small fee will be collected for supplies but will be minimal.

Volleyball (7-12th grades)

Skills and Drills will be practiced during the first half of the class, followed by playing of the game.

- Note:
 - High school students taking the Chemistry course, may join in for the volleyball games at 2:00.
 - Volleyball will not be held on the last day of the Spring semester, and for any other circumstances beyond our control (e.g., times the church may not allow us to use the gym, because of other church functions).



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Here in Pennsylvania, we have several options when it comes to homeschooling.

This article will cover the common option in which one or both of the parents educate their child. There are two basic requirements for the school and the documentation process.



First, a high school diploma or its equivalent is needed in order to homeschool your child in PA. Next, you must inform your school district of your intent to homeschool by notarizing an affidavit and sending it along with a list of objectives to your school district's central office if your child is six years old or older by September 1. Basic forms can be attained at:

<https://homeschoolpennsylvania.org/index.php/knowledgebase/affidavits/>

Curricula for home education may be obtained in a variety of ways. Some parents request a copy of the local public school's textbooks. Many prefer to research for themselves and purchase either a pre-packaged curriculum or individual books from a publisher. Common publishers include Abeka, Bob Jones, Apologia, Classical Academic Press, Well-Trained Mind Press, and Sonlight-among others. Still other parents rely heavily on digital resources. Some even eschew traditional textbooks altogether in favor of less structured learning, aka "unschooling."

Once you complete the two required steps and choose a curriculum, you may begin to provide your child with the appropriate 180 days of instruction - some people count their hours (900/elementary and 990/secondary), which is also appropriate. Pennsylvania has required subjects at both the elementary and high school level. A quick overview of these are noted in the table on the next page. In order for a student to graduate, they need 4 high school credits of English, 3 credits each of math, science, and social studies, and 2 credits of art and humanities.

Elementary: K-6	Secondary: 7 – 12
English (Spelling, Reading, Writing) Arithmetic Civics History of the U.S. and Pennsylvania Physical Education Music Art Geography Science Safety Education (include Fire Safety)	English (Language, Literature, Speech, Composition) Mathematics (General, Algebra, Geometry) Social Studies (Civics, History of U.S. & PA) Health Physical Education Music Art Geography Science Safety Education (include Fire Safety)

Throughout the year, the parent needs to maintain a portfolio to document their progress. This should include any required testing, a log of instruction that includes a list of reading materials used, and student work samples.

By the end of the year, you will need to have your child's work evaluated by a qualified evaluator (many can be found at the end of this newsletter). The evaluator interviews the child and reviews their portfolio. To finish the school year, submit the evaluator's certification by June 30th.

This article focused on the basics of getting started with your first year of homeschooling. Be sure to get in your affidavit and objectives to your school district as soon as possible to begin your journey. Know that at the end of the school year, you have to have your schooling looked over by an evaluator. In between these two events, enjoy the journey!

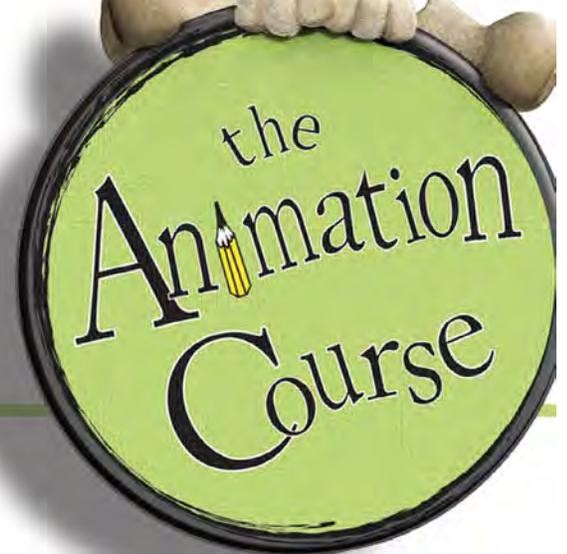


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- ADVANCE ANIMATION
- INDIVIDUAL REVIEWS OF STUDENT WORK

LEVEL 3 ANIMATION:

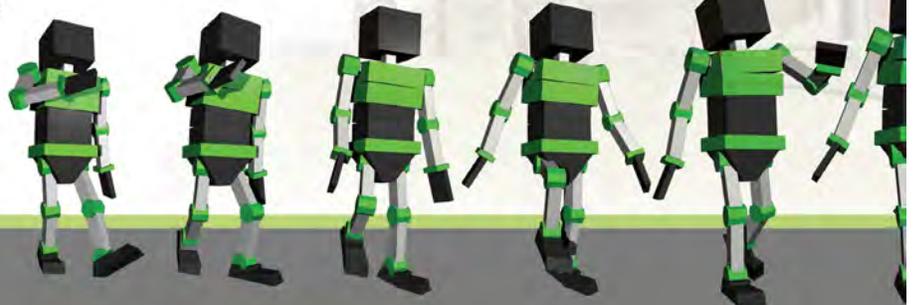
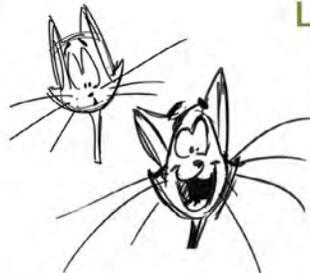
- WATCHING ANIMATED MOVIES
- STUDYING STORY
- LEARNING STORY BOARDING

LEVEL 4 ANIMATION:

- FILM MAKING TECHNIQUES
- ANIMATE OWN STORY
- MENTORING & STUDENT CRITIQUES

LEVEL 5 ANIMATION:

- COLLABORATIVE FILM
- WORK WITH OTHER STUDENTS
- STUDIO-TYPE WORK FLOW



DRAWING COURSES:

LEVEL 1 DRAWING:

- HOW TO "SEE"
- ELEMENTS OF ART
- INDIVIDUAL REVIEWS OF STUDENT WORK

LEVEL 2 DRAWING:

- CHARACTER DESIGN
- HUMAN & ANIMAL STRUCTURE
- INDIVIDUAL REVIEWS OF STUDENT WORK

Alice Nelson

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Secondary PA Certified 7-12th. Mason-Dixon and parent-issued diploma. 15 years homeschool parent. Situated on Rt. 772 in Rothsville. Will come to your home within 20 mile radius.

Denise Pouss, M. Ed.

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Homeschool grad, Elementary Education & Reading Specialist Certified K-12. 7 years experience. Reading testing, tutoring, evaluating & Instructional consulting.

Pamela Powles

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Homeschool mom 24 years; PA Certified K-12; PHAA, Mason-Dixon, Erie diploma programs; 35+ years teaching, 25+ years evaluating. Paradise Twp.

Kate Walker, M. Ed

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Elementary and Secondary evaluations, PHAA and Mason Dixon diploma programs. PA certified teacher with 10 years of experience; homeschool parent.

Paula Montijo, Certified School Psychologist

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Homeschool mother, 10 years experience K-12, PHAA & Mason Dixon Diplomas; Special Ed. approvals; Sibling discounts.

Alison Blanshine

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Teacher for 20 years, experience with students K-6 of all ability levels, 1 year experience evaluating, K-6 certified.

Courtney Dunlap

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Christian homeschooler, 15+ years experience. Special Education Certified, K-12 evaluations. Evaluations/transcripts for PHAA, Mason Dixon, Erie, & Susquehanna Valley diplomas.

Sharon Cargill

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Elementary and Secondary PA certified teacher. Manheim Twp, home schooled over nine years. short & long form evaluations. Sibling discounts.

Andrea Wenger

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PA Cert. K-6; Educator at L-S for 16 years (Grades 1 & 3); Current part-time Homeschooler with daughter in UM at LCCS.

Diane Grabowski

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PA Special Education Certified K-12. Homeschool mom (15 years). 40+ years professional teaching experience. Evaluations, testing, and tutoring available. Sibling discounts.

Karen Davis

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8 Jasper Lane, Christiana (Georgetown)
PA certified Special Education, K-12, experience as homeschool mom and public school teacher, diploma programs: Mason-Dixon, Susquehanna Valley, reasonable rates.

Barbara Morrison, M.Ed.

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Homeschool Evaluations, Tutoring, Educational Therapy, Achievement testing by PA certified teacher/homeschool mom, 20+ yrs, K-12th, Mason-Dixon & Susquehanna Valley diplomas, discounts.

Greg Moll, M.Ed.

gmoll@bovertownasd.org (610) 587-8518
PA Certified K-6 Teacher. Oley Township, Berks County. Will travel. Sibling Discounts.

Amy E. Arment

armentx4@hotmail.com (717) 715-7251
Homeschool evaluations (K-6), tutoring (K-12), testing, & consulting by PA cert. teacher/Christian homeschool mom with 20+ years of experience. Flexible appointment times, or I can come to you.

Melanie Stoltzfus

melaniestoltzfus@msn.com (717) 725-1944
Elementary Education, certified K-12, 5 years teaching experience, sibling discounts, Lancaster/Landisville area.

Melinda Grubb

mrmartil@gmail.com (717) 808-1253
Leola area, PA Certified K-6, 6 years teaching experience, 1 year homeschooling experience.

Annie Barge

thebargecrew@gmail.com (717) 341-8792
Elementary through 8th grade short-form evaluations.

Homeschool Evaluators (Continued)

Melissa Groff

kemegroff@yahoo.com (717) 380-9294
East Petersburg, PA
Homeschool mom for 11+ years experience.
PA Certified, K-12 evaluations, Mason-Dixon
and parent-issued diplomas. Family discounts
available.

Mary Fields

novak.mary.f@gmail.com (717) 224-6404
703 Drytown Rd, Holtwood PA 17532
Get experienced evaluations from a certified
teacher who is also previously homeschooled
student. Can travel to you. \$45 per student.

Anjie Vago

mamavago@aol.com (717) 361-8516
Homeschool mom. Several years' experience
evaluating elementary - 8th. Consulting, tutoring,
and Stanford testing also available.

Debbie Moyer

moyerhomeschool3@aol.com (610) 597-4438
412 Groffdale Road, Quarryville, PA 17566
I can evaluate all grades, and I also evaluate for
the Mason-Dixon diploma program.

Jody Scott

jodysjoy@gmail.com (407) 408-5514
20+ years of experience. All grade levels. Available
for evaluations and consultations. \$50 first child,
\$25 for each additional child.

Renita Gerlach

renitafg5@gmail.com (717) 627-4335
Secondary PA certified, 7 - 12. PHAA, SVHDP, &
Mason-Dixon, Convenient central location, 2 min.
off 222 Akron exit. Sibling Discounts.

Jenny Espenshade

jennyespenshade@gmail.com
Elementary through 8th grade short-form,
affordable evaluations. PA certified, homeschool
mom for 15+ years in the Hempfield area.

Steve Schulz

jostecin@juno.com (717) 656-2499
Secondary - Leola area, Homeschooler,
Certifications in Chemistry, Mathematics. 25
years Public HS teaching experience. Mason-
Dixon, PHAA and Parent-issued. Tutor Chemistry
incl. AP and Math up to Trig.

Ellen Campbell

mark.ellen.campbell@gmail.com (717) 393-0953
Homeschool mother, K-12, Mason Dixon, PHAA,
Susquehanna Valley, and Erie diplomas, PA
Special Education Certification, Lancaster/Lititz
area.

Jody Wenger

jodywenger527@gmail.com (717) 405-7293
Twelve years experience as an evaluator,
homeschooling since 1991. All grades and PA
Diploma. Affordable for families. ELANCO area.

Lisa Buckwalter

pitsRseeds@gmail.com (717) 393-1612 (voice only)
PA Certified in Special Education, 40 years of
experience; consulting, will serve you thru private
tutoring, objective reviews and home school
evaluations. Manheim Twp. Area

Melanie Ambrose

theambroses@embarqmail.com (717) 285-7353
Special Education K-12 certified; Masters in
Teaching and Curriculum; public school teaching
experience; tutoring available as well; minutes
from Route 30.

Bonita Greiner

greiner10@windstream.net
Manheim Area, Homeschool mom, elementary
(short form), secondary; Buxmont diploma.
Consult for curriculum and diploma credits.

Bonnie McKenney Gish

bonnie.gish@gmail.com
Elementary & High School evaluations; SVDP
& Mason-Dixon; exp. homeschooler, teacher, &
evaluator. Specializing in adapting curriculum to
learning styles, All homeschool styles.

Matt and Becky Monticchio

monticchio@comcast.net (717)330-4326
Covering York, Lancaster & Harrisburg area with
over 20 years teaching & homeschooling experience.
Strong classical & Charlotte Mason pedagogical
outlook with eclectic approach. In person, zoom,
telephone conference, email, are all ways they are
comfortable evaluating your child.

If you would like to be added to this list, please e-mail scrawls@chalc.org with your name, phone number, e-mail address, grades you can evaluate, and around twenty words to tell about yourself.

CHASE (Christian Homeschool Association of Scholastic Excellence)

Contact: Julie Hostetter, Director
chasehomeschoolcoop@gmail.com

A Christian co-op offering weekly classes. We meet on Mondays from 8:30 – 2:00 PM at East Fairview COB in Manheim. Classes are a 30-week commitment. Opportunities include academic and elective courses, music, sports, and field trips. Our mission is to equip and encourage parents who have chosen to homeschool their children by providing educational classroom opportunities in a Christ-Centered environment. Members must participate by teaching or helping in classes for the benefit of the group.

CHEX (Christian Homeschoolers Exchange)

Director: Jennifer Anteau,
717-342-7949, jen.anteau@gmail.com

Assistant Director: Jamie Rohrer,
717-368-1178, austinandjamierohrer@gmail.com

CHEX is a group of homeschool families joining together to fellowship, encourage each other in our life's journeys, and provide excellent group learning opportunities for our children. We meet as a whole group on Wednesday mornings from 8:45am - 12:00pm at Calvary Baptist Church in Lancaster, 8 weeks in the fall and 8 weeks in the winter. High school academic and some elective classes meet an additional 8 weeks for a total of 24 weeks.

Conestoga Valley Homeschoolers

Contact: conestogavalleyhomeschool@gmail.com

We are a Christian-based parent run co-op. We offer nursery and preschool. Grades K - 6 have choir, gym and the choice of an elective each semester. Grades 7 and up choose 3 electives each semester. Electives include academic (biology labs) to non-academic (cross-stitching). We are a supplement to your schooling at home. Besides co-op classes, we offer monthly moms' meetings, a choir concert, talent show, music classes, gym classes, Track & Field day, field trips, and a learning fair. Our parents volunteer to teach the classes and fill helper positions. We rely on parent participation and offer activities that parents are willing to organize and staff. This keeps our costs low and affordable for all family sizes and incomes. We meet Thursdays from 12:45 - 3:25pm in the Lancaster Area. There is a waiting list.

Cornerstone Homeschoolers: Lower Tier

Contact: Shallon Rohrer and Lauri Shumaker
lower.tier@cornerstonehomeschoolers.com

Cornerstone Homeschoolers Lower Tier is a Christian organization that seeks to provide quality educational opportunities along with support for families that are homeschooling their children. The Lower Tier is a co-op type structure where parents provide gym, choir, and enrichment classes for Nursery - 8th Grade. We meet 16 weeks on Thursday afternoons from 12:00-4:00pm

at Grace Baptist Church in Lancaster. Students may participate in track and field day, Valentine's exchange, picnics, field trips, choral concerts, and the learning fair. Because we are run by member parents, all participating students must have a parent who is an active participant in planning, teaching, monitoring and cleaning up.

CornerstoneHomeschoolers: Upper Tier

Contact: Anne Flinchbaugh Richey
upper.tier@cornerstonehomeschoolers.com

Cornerstone Upper Tier is a 30-week educational program for students in 7th - 12th grades. Classes are taught by professionals in the areas of science, literature, writing, art, foreign language, and social studies. Tuition is required. Sign up April through August. No waiting list.

LearningStation

Contact: Co-op track - Stacy Dieffenbach,
LearningStationCoop@gmail.com

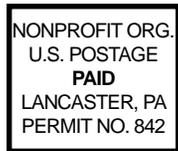
Contact: Upper-level only track - Jennifer Hahn,
LSUpperLevel@gmail.com

Learning Station supports homeschool families by providing a cooperative learning environment in which students develop academically and socially in a Christian community. Learning Station meets at Lancaster Evangelical Free Church in Lititz, PA. Classes meet on Wednesdays. Co-op track is open to families with students from infant through 12th grade, while upper-level only track is open to students in 7th through 12th grade. To learn more about Learning Station, visit www.homeschool-life.com/pa/lscoop/ and click on the FAQ link.

Lititz Home Educators

Contact: Kyrie Zimmerman,
kyriezimmerman@gmail.com, 717-475-9037
Membership: lititzhomeeducators@gmail.com

Lititz Home Educators (LHE) is a Christian field trip community that is open to any home-schooling or cyber-schooling family from the Lancaster area. We are a dedicated group of families who connect by supporting each other on our journeys, fostering friendships among the children and nurturing connections between families by experiencing life and lessons together. Our group is founded on Jesus' example of servanthood, and every LHE family contributes by hosting an activity such as a field trip, a class, a show-and-tell, a park day, a mother's gathering or an experience that brings joy to your family and that you would want to share with ours. Many of our activities occur in the northern and eastern areas of Lancaster County, but LHE welcomes families from anywhere. Membership in LHE offers the benefits of asking questions from seasoned homeschooling families, finding resources, buying/selling/borrowing, and discovering opportunities. Please consider gathering with us for encouragement and to strengthen connections.



Coalition of Homeschoolers
Across Lancaster County
(C.H.A.L.C.)
P.O. BOX 480
Leola, PA 17540

CHALC Groups (Continued)

Manheim Area Christian Homeschoolers

Contact: Vicky Goodman - RVGoodman@gmail.com

MACH is a 24-week Christian-based co-op offering classes for nursery through high school. We strive to provide quality academic and elective courses to help facilitate and support families in their homeschooling endeavors. We meet on Tuesdays at East Fairview Church of the Brethren in Manheim. Academic classes are held in the morning from 9am-12pm, with optional elective classes held in the afternoons from 12:30-2:30pm. Members are required to participate by teaching and helping in classes. An option for high school students to attend without parental participation in MACH is also available.

TEACH (The Educators Affiliation of Christian Homeschoolers)

Contact: teachhomeschooler@gmail.com

TEACH provides support for homeschooling families in Lancaster and southern Berks counties. Our support is distinctively Christian and includes co-op classes, cell groups, sports teams, music, field trips, and special events. We accept new participants but require each member to commit to volunteering in a way that benefits the group.

Treasures of Grace Home Educators

Contact: Tammy Higgins or Kaddie Hollinger at toghomeschool@gmail.com

Treasures of Grace is a Christ-centered co-op that seeks to support and encourage member families in their homeschooling journey. The mission of Treasures of Grace Educational Home School Association is to support the member home-schooling families through friendship development, encouragement, and prayer, and to provide an opportunity for students to explore subjects which are best experienced in a group setting. Currently, we offer classes for infant through secondary. We meet every other week in the morning for approximately 15 weeks. We also offer field trips, moms' socials/meetings, and nature walks. Membership is limited.