Famíly Academic and Christian Enrichment, Inc.

F.A.C.E. Co-op

2024-2025

Course Catalog

Classes at a Glance: FACE Co-op 2024-2025

	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th
First Period (Science and Electives)										
Science Smorgasbord	х	х	х							
Zoology 1: Flying Creatures	х	х	х	х						
Biblical Home Economics	х	х	х	х	х					
Apologia Human Anatomy				х	х	х				
FACE Children's Choir- Middle Sch.				х	х	х				
Apologia General Science				х	х	х	х			
Intro to Forensics Science							х	х	х	х
Apologia Biology: Lab Class							х	х	х	х
Personal Finance							х	х	х	х
High School Sign Language							х	х	х	х
Second Period (English and										
Electives)										
IEW Elementary Writing	Х	Х	х	<u> </u>	<u> </u>					
FACE Children's Choir- Elementary	х	х	х							
Elementary Spanish	х	х	х	х						
Further Up and Further In: Narnia				x	x	х				
IEW Middle School Writing				х	х	х				
Intro. to Art				х	х	х	х	х	х	х
Bring Your Drama!				х	х	х	х	х	х	х
Writing with Skill: Level 2						х	х	х		
Intro. to Creative Writing- FALL							х	х	х	х
C.S. Lewis: Literature- FALL							х	х	х	х
American Literature- SPRING							х	х	х	х
HS Court & Mock Trial- FALL				х	х	х	х	х	х	х
D., D., and Debate- SPRING				х	х	х	х	х	х	х

	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th
Third Period (History and Electives)										
Gameschooling	х	х	х							
Unearthing the Bible- Archeology	х	х	х	х						
Story of the World: Vol. 2	х	х	х	х	х	х				
Uncle Sam and You: Civics				х	х	х				
Intro. to Digital Photography				х	х	х	х	х	х	х
From Brainstorm to Business				х	х	х	х	х	х	х
Early Childhood Education				х	х	х	х	х	х	х
Exploring Government- FALL							х	х	х	х
Exploring Economics- SPRING							х	х	х	х
Exploring World History							х	х	х	х

Nursery & Preschool

Ages 0-4

Maximum Students: 12

Class Fee: \$40 for all children ages 3-4 (& for any 2-year-olds who will be participating in the preschool program)

Class Description: Nursery is provided for children ages 0-2, and a structured preschool program that includes letter recognition, music, art, history, science, and games will be provided for children ages 3-4 (and any 2-year-olds who are ready to participate in the lessons and activities). Snacks will be provided for kids ages 2-4. All babies who have become mobile should be placed in the nursery. Please provide labeled snacks, drinks, and diapers for children 0-1 (and diapers for any others who are not yet potty-trained) and label your diaper bag.

Early Learners

K-2nd Grade

Maximum Students: 18

Class Fee: \$40

Class Description: Join us on a learning adventure! Students will discover the joy of learning through fun, interactive, hands-on activities. Thematic units, seasonal fun & lots of hands-on activities will provide the framework for students as they study literacy, art, music, games, math, science, and history. Along the way, students will be learning age-appropriate skills such as letters, sounds, phonics, handwriting, basic math concepts, and teamwork.

Required curriculum: None

Other materials required: Supplies will be provided

Homework: none, possibly finishing work not completed during class time

Elementary

Grades 3-5 unless otherwise noted

First Period

Science Smorgasbord

Full Year, Grades 3-5 Maximum Students: 15

Class Fee: \$20

Class Description: Join us as we explore the world of science through fun hands-on experiments, activities, and videos. The class will consist of short unit studies on anatomy, biology, botany, and more.

Homework: Minimal, maybe occasional projects

Required Curriculum: none

Other Materials Required: Notebook paper, colored pencils, glue stick

Zoology 1: Flying Creatures of the Fifth Day

Full Year, Grades 3-6 Maximum Students: 12

Class Fee: \$15

Class Description:

In this God-honoring study of birds, Exploring Creation with Zoology 1: Flying Creatures of the Fifth Day, students will learn about the glorious design and characteristics of flying creatures, including physical characteristics, nesting habits, flight patterns, and more! Students will learn how to attract various bird species to backyards and how to identify them by special physical characteristics, diverse nests, and interesting domestic practices.

Homework: Daily reading and notebook pages

Required Curriculum: Exploring Creation with Zoology 1: Flying Creatures of the Fifth Day (2nd edition) ISBN # 9781946506931 \$36.75 at Christianbook.com and Exploring Creation with Zoology 1: Flying Creatures of the Fifth Day Notebooking Journal (2nd edition) ISBN #9781946506948 \$25.50 at Christianbook.com. You may get the regular or the junior notebook, whichever will be best for your student.

Other Materials Required: Pencils, crayons, paper, glue sticks, and scissors

Biblical Home Economics: Fostering Heart & Home

Full Year, Grades 3-7 Maximum Students: 20

Class Fee: \$30

Class Description: This class will focus on cooking, baking, and sewing with intermittent lessons on time management, meal planning, hospitality, finance, and organizing the home.

The intended breakdown (although it could shift slightly) will be 7 weeks each of cooking, baking, and sewing. Between those units will be 9 lessons within the (5) topics listed above.

Each child/parent will be given a survey, so we can get an idea of the skill level of each of the main units. No prior experience or knowledge is necessary; the kids will be taught everything they need for the course.

Homework: May differ weekly, but could include reading and projects to work on at home

Required Curriculum: N/A

Other Materials Required: 3-ring notebook, pencil, crayons/colored pencils

Second Period

IEW Elementary Writing

Full Year, Grades 3-5 Maximum Students: 12

Class Fee: \$5

Class Description: Using classic children's fables and fairytales, students will learn writing skills. This IEW writing course has an in-depth focus on the structure and style of writing. Students will learn about note-taking outlines, summarizing verbally and in writing, using references, creative writing, and vocabulary.

Homework: Students will have weekly book and writing assignments. Much of this course will need to be completed at home.

Required Curriculum: *IEW Fables, Myths and Fairy Tales Writing Lessons Student Book* \$35.00

ISBN: 978-1-62341-309-5

*You may find it helpful to also have the IEW *Fables, Myths, and Fairy Tales Teacher's Manual* for completing the weekly homework assignments. \$29.00 ISBN: 978-1-62341-310-1

Other Materials Required: A three-ring binder, blank lined writing paper, pencils, eraser, glue stick, scissors

FACE Children's Choir- Elementary

Full Year, Grades 3-5 Maximum Students: 12

Class Fee: \$15

Class Description: This inaugural season of FACE choir is for children grades 3-5. The purpose of this choir is to develop our talents for the glory of God. Students will be introduced to identifying note names and rhythms as well as basic music symbols like clefs, staves, lines, spaces, and time signatures. Students will also be introduced to music theory through the use of solfege. At the end of the year, the students will present the songs they have learned in a family concert.

Homework: Practice songs

Required Curriculum: Music and black music folders will be provided but will need to be returned.

Other Materials Required: Concert Dress: Black pants and white shirts (boys), Black knee-length skirt or black pants and white shirts (girls)

Elementary Spanish

Full Year, Grades 3-6 Maximum Students: 10

Class Fee: \$20

Class Description: Utilizing Homeschool Languages: An Open & Go Curriculum, Spanish will be learned starting with phrases the student uses most often. "Living language" is the focus. Most practice is done through songs, stories, and games. Culture creates a sense of familiarity with language and people and is used throughout the curriculum to further what is taught. www. homeschoollanguages.com

Homework: Could include: sharing/teaching your family what has been learned in class, singing along to songs sung in class, reviewing flashcards, completing a simple workbook page, plus a short lesson on Duolingo

Required Curriculum: None.

Other Materials Required: Access to internet for curriculum-assigned songs, videos, flashcards, and Duolingo

Third Period

Gameschooling

Full Year, Grades 3-5 Maximum Students: 15

Class Fee: \$5

Class Description: In this class, we will use a variety of card games and board games to teach different topics. We will try to cover at least one topic in each subject at different points throughout the year.

Homework: none

Required Curriculum: none

Other Materials Required: none

Unearthing the Bible: Biblical Archeology

Full Year, Grades 3-6 Maximum Students: 12

Class Fee: \$10

Class Description: Join us for Unearthing the Bible, an interdisciplinary class that will look at artifacts, manuscripts, structures, and ruins left from Biblical history and show that what we find in the dirt today is exactly what we'd expect to find if the Bible is truly God's word.

By studying artifacts like the Shalmaneser Monolith, the Pilate Dedication Stone, and the Caiphas Ossuary, Unearthing the Bible demonstrates that what we read in the Bible are not just made-up stories, but real events as proven by over 30 archaeological finds. In addition to archaeology, this course will focus on geography, secular history, anthropology principles, Bible knowledge, and Biblical history.

Through engaging videos, projects, short writing assignments (as age appropriate), map work, and presentations, students will develop a deeper understanding of just how accurate the Bible is and deepen their faith in the process.

Homework: Minimal (less than 30 minutes per week, most weeks there will be none)

Required Curriculum: None

Other Materials Required: None

Story of the World: Volume 2 Middle Ages

Full Year, Grades 3-8 Maximum Students: 10

Class Fee: \$20

Class Description: During class students will complete arts and crafts projects that are related to the textbook chapter topics. Students will also create an ongoing geography folder throughout the school year.

Homework: Students will need to read the *Story of the World* chapters assigned before coming to class. There may also be some worksheets to complete that are handed out in class.

Required Curriculum: *Story of the World, Volume 2 Middle Ages* textbook. Author Susan Wise Bauer. Christian Book Distributor (CBD) \$12.64

Other Materials Required: none

Middle School

Grades 6-8 unless otherwise noted

First Period

Zoology 1: Flying Creatures of the Fifth Day

Full Year, Grades 3-6

Maximum Students: 10 or more

Class Fee: \$15

Class Description:

In this God-honoring study of birds, Exploring Creation with Zoology 1: Flying Creatures of the Fifth Day students will learn about the glorious design and characteristics of flying creatures, including physical characteristics, nesting habits, flight patterns, and more! Students will learn how to attract various bird species to backyards and how to identify them by special physical characteristics, diverse nests, and interesting domestic practices.

Homework: Daily reading and notebook pages

Required Curriculum: Exploring Creation with Zoology 1: Flying Creatures of the Fifth Day (2nd edition) ISBN # 9781946506931 \$36.75 at Christianbook.com and Exploring Creation with Zoology 1: Flying creatures of the Fifth Day Notebooking Journal (2nd edition) ISBN #9781946506948 \$25.50 at Christianbook.com. You may get the regular or the junior notebook, whichever will be best for your student.

Other Materials Required: Pencils, crayons, paper, glue sticks, and scissors

Biblical Home Economics: Fostering Heart & Home

Full Year- Grades **3-7** Maximum Students: 20

Class Fee: \$30

Class Description: This class will focus on cooking, baking, and sewing with intermittent lessons of time management, meal planning, hospitality, finance, and organizing the home.

The intended breakdown (although it could shift slightly) will be 7 weeks each of cooking, baking, and sewing. Between those units will be 9 lessons within the (5) topics listed above.

Each child/parent will be given a survey, so we can get an idea of the skill level of each of the main units. No prior experience or knowledge is necessary; the kids will be taught everything they need for the course.

Homework: May differ weekly, but could include reading and projects to work on at home

Required Curriculum: N/A

Other Materials Required: 3-ring notebook, pencil, crayons/colored pencils

Apologia General Science

Full Year, Grades 6-9 Maximum Students: 15

Class Fee: \$15

Class Description: Designed to be a student's first systematic introduction to the sciences. This course includes a history of science, the scientific method, and how to design an experiment. Subjects covered include simple machines, archaeology, geology, paleontology, meteorology, oceanography, and life science. Many hands-on experiments are included.

Homework: Daily reading and writing; students will be required to follow the daily schedule listed in the student notebook.

Required Curriculum: Apologia's Exploring Creation with General Science Student Textbook (3rd ed.) ISBN: 978-1-946506-27-6, Solutions and Test Manual (3rd ed.) ISBN:978-1-946506-28-3, Apologia Exploring Creation with General Science Student Notebook (3rd ed.) ISBN: 978-1-946506-30-6

Other Materials Required: None

Apologia Human Anatomy and Physiology

Full Year, Grades 6-8 Maximum Students: 12

Class Fee: \$15

Class Description: This class will focus on understanding God's design of the human body including body systems and structure. The class will encourage conversation and curiosity in exploring these topics. We will have in class guizzes, experiments, and activities. Class participation in discussions is expected.

Homework: Assignments include weekly reading and notebooking journal work. Students are expected to follow the course schedule for homework in the workbook.

Required Curriculum: Apologia's *Exploring Creation with Human Anatomy & Physiology*_textbook by Jeannie k. Fulbright ISBN: 1935495151 ISBN-13: 9781935495154 and *Anatomy Notebooking Journal* ISBN: 1935495151 ISBN-13: 9781935495154

Other Materials Required: Pencil and notebook

FACE Children's Choir- Middle School

Full Year, Grades 6-8 Maximum Students: 12

Class Fee: \$15

Class Description: This inaugural season of FACE choir is for children grades 6-8 with unchanged voices. The purpose of this choir is to develop our talents for the glory of God. Students will be introduced to identifying note names and rhythms as well as basic music symbols like clefs, staves, lines, spaces, and time signatures. Students will also be introduced to music theory through the use of solfege. At the end of the year, the students will present the songs they have learned in a family concert.

Homework: Practice songs

Required Curriculum: Music and black music folders will be provided but will need to be returned.

Other Materials Required: Concert Dress: Black pants and white shirts (boys), Black knee-length skirt or black pants and white shirts (girls)

Second Period

Elementary Spanish

Full Year, Grades **3-6** Maximum Students: 10

Class Fee: \$20

Class Description: Utilizing Homeschool Languages: An Open & Go Curriculum spanish will be learned starting with phrases the student uses most often. "Living language" is the focus. Most practice is done through songs, stories and games. Culture creates a sense of familiarity with language and people and is used throughout the curriculum to further what is taught. www. homeschoollanguages.com

Homework: Could include: sharing/teaching your family what has been learned in class, singing along to songs sung in class, reviewing flashcards, completing a simple workbook page plus a short lesson on Duolingo

Required Curriculum: None.

Other Materials Required: Access to internet for curriculum-assigned songs, videos, flashcards and Duolingo

Further Up, Further In: Narnia

Full Year, Grades 6-8 Maximum Students: 20

Class Fee: \$0

Class Description: This class is based on C.S. Lewis' *The Chronicles of Narnia* book series. It will cover a wide range of subjects including English,, history, social studies, science, geography, and Bible. Be ready to read! We will be going through all seven books in the series, one per month. In addition to the reading, there will be a short weekly writing assignment and vocab work.

Homework: Weekly reading, vocabulary, and writing assignments.

Required Curriculum: All seven books of <u>The Chronicles of Narnia</u>. A set is available on Amazon for \$35.

Other Materials Required: Students will need a 3-ring binder with 8 dividers, paper, pencils, and colored pencils.

IEW Middle School Writing

Full Year, Grades 6-8 Maximum Students: 12

Class Fee: \$3.00

Class Description: Students will learn to take notes, retell narrative stories, summarize references, write from pictures, compose short essays, and more, using IEW's thorough Structure & Style writing method. Assignments will be based on science topics such as insects, inventions, and scientists. Vocabulary and grammar instruction are also included in this curriculum.

Homework: There will be homework for this class each week. The students will need to complete the weekly writing assignment that they started in class.

Required Curriculum: *IEW Wonders of Science Writing Lessons Student Book*. It is available at IEW, Christianbook.com, or Rainbow Resource for \$35. The ISBN is: 9781623413996

Optional Curriculum: The parent could also purchase the companion Teachers Manual (\$29) if they want to have a clearer understanding of how the weekly homework needs to be completed.

Other Materials Required: a 3-ring notebook to keep completed assignments in, blank lined paper and pencils

Intro to Art

Full Year, Grades 6-12 Maximum Students: 20

Class Fee: \$20

Credits Earned: 1 high school credit

Class Description: Students will learn the basics of contour lines, shading, perspective, using a grid, portrait drawing, color theory, painting, and mixed media. Students will also keep an art journal throughout the course.

High School: To earn credit for this class, high schoolers will participate in at-home activities including specific art journal content, art critiques, and research on an artist.

Homework: Middle School: Art journal, High School: Art journal, art critique and artist research project.

Required Curriculum: provided

Other Materials Required: Sketchbook, Pencils, Erasers, Ruler, Acrylic paint set, brush set

Bring Your Drama!

Full Year, Grades 6-12 (For mature 6th-8th graders who can handle the work)

Maximum Students: 18

Class Fee: \$40

Credits Earned: 1 credit (pass or fail grade from participation in assignments, memorization of lines, and performing in the end-of-the-year showcase)

Class Description: Bring your drama, a good attitude, and your creativity! During the school year, we will work through the different stages in the world of theater! We will cover different types of theater (plays, musicals, etc.), writing an acting resume, how to audition, what it takes to put on a show (tech team, sound team, stage crew, etc.), learning simple choreography (when studying musicals), memorizing lines and performing a mini show at the end of the school year for family night.

*We will be watching some excerpts from different plays or musicals. These will be from family-friendly shows. Parents will be informed whenever we plan to watch something and what it is so that you can opt-out if you are uncomfortable with the selection.

Homework: There will be assignments throughout the year including a 5x7 or 9x12 headshot photo to go with the resume, memorization of lines, writing a monologue, and preparation for performing during class in front of peers.

Required Curriculum: None. Curriculum will be provided as well as a binder.

Other Materials Required: pen, pencil, 1 or 2 different colored highlighters. Students will be asked to bring in "props" and costume pieces (which can be found at home)

Writing with Skill, Level 2

Full Year, Grades **8-10** Maximum Students: 10

Class Fee: \$3

Credits Earned: 1 English credit for high school

Class Description: Building on the skills taught in Level 1, the Level 2 workbook is written directly to the students to encourage them to take the initiative in developing their basic writing skills. Skills taught in Level 2 include one-, two-, and three-level outlining; writing chronological narratives, biographical sketches, scientific descriptions, sequences across the curriculum; constructing basic literary essays on fiction and poetry; and researching and documenting source material.

Homework: Students will have **daily** work that should take 30-60 minutes. Parental instruction will be encouraged/necessary for some assignments. Please do not sign up for this class unless you are committed to keeping up with the daily work assigned.

Required Curriculum: <u>Writing with Skill, Level 2, Student Workbook</u> by Susan Wise Bauer, ISBN-10: 9781933339610 (\$22.50 at rainbowresource.com) **AND** <u>Writing with Skill Level 2, Instructor Text</u>, ISBN-10: 1933339608 (\$22.50 at rainbowresource.com)- this is needed for guiding the student with the daily work at home.

Other Materials Required: 3-ring notebook with 6 dividers, lined paper, writing utensils. An email address and access to Google Docs is **strongly encouraged**.

Homeschool Court & Mock Trial: FALL

Fall Semester, Grades 6 -12 Maximum Students: 14

Class Fee: \$15

Credits Earned: 1/2 - Civics/Social Studies for high school

Class Description: Students will learn about the American legal system and specific case information, the basics of the judicial system including roles and vocabulary, types of cases and steps toward the art of persuasive argument. This knowledge of the American judicial system will help them to become informed citizens and strengthen their critical reasoning to apply a Biblical worldview in principles and history of the legal system. Committed investment to this curriculum improves reading comprehension, writing, debate, logic, communication and cooperation with a team.

Homework: Preparation in writing and speech practice 1-4 hours per week outside class; dependent on student's role in trial

Required Curriculum: Digital Student Worktext - please have printed out before start of class: <u>Student Worktext</u> (Digital) | <u>Homeschool Court</u>

Optional supplement: <u>Good Arguments: Making Your Case in Writing and Public Speaking: Richard A.</u>
<u>Holland Jr., Benjamin K. Forrest: 9780801097799 - Christianbook.com</u> (check out AbeBooks & Thriftbooks to buy used at lower prices)

Other Materials Required: Index cards, writing + highlighting + note-taking materials. Professional outfit for trial days - slacks or skirt, closed-toed shoes that are clean, button-down or dressy blouse, etc. Part of the grading system is based upon the student's physical presentation during mock trial days - as it would be in a courtroom!

Dialogue, Discussion, and Debate: SPRING

Spring Semester, Grades 6 - 12 Maximum Students: 10

Class Fee: \$10

Credits Earned: ½ Science, English, or Social-Civics

Class Description: Using Dialogue, Discussion, and Debate of Science, students will analyze and talk about issues at the forefront of contemporary science and culture. Topics to discuss and debate from a Biblical vs. cultural worldview are: nanotechnology, genetic food engineering, climate change, nuclear and solar energy resources, Pluto, mining and manufacturing on the moon, alternative medicines, community waste, universal life, stem-cell research, evolution v. creationism, and organic farming. Each topic will include brief overviews, investigative questions, classroom preparation, instructional steps to critical thinking and respectful discourse, and assessment criteria.

Homework: 1-4 hours of research, writing, and speech practice outside of class per week

Required Curriculum: Digital Download - please print out before the start of class: <u>Digital Download Dialogue</u>, <u>Discussion</u>, <u>and Debate: Science - PDF Download [Download]: 9780825166501 - Christianbook.com</u> (search for print copies at used curriculum sales & websites!)

Optional supplement: <u>Good Arguments: Making Your Case in Writing and Public Speaking: Richard A.</u>
<u>Holland Jr., Benjamin K. Forrest: 9780801097799 - Christianbook.com</u> (check out AbeBooks & Thriftbooks to buy used at lower prices)

Other Materials Required: Index cards, writing + highlighting + note-taking materials

Third Period

Unearthing the Bible: Biblical Archeology

Full Year, Grades **3-6** Maximum Students: 12

Class Fee: \$10

Class Description: Join us for Unearthing the Bible, an interdisciplinary class that will look at several artifacts, manuscripts, structures, and ruins left from Biblical history and show that what we find in the dirt today is exactly what we'd expect to find if the Bible is truly God's word.

By studying artifacts like the Shalmaneser Monolith, the Pilate Dedication Stone, and the Caiphas Ossuary, Unearthing the Bible demonstrates that what we read in the Bible is not just made-up stories, but real events as proven by over 30 archaeological finds. In addition to archaeology, this course will focus on geography, secular history, anthropology principles, Bible knowledge, and Biblical history.

Through engaging videos, projects, short writing assignments (as age appropriate), map work, and presentations, students will develop a deeper understanding of just how accurate the Bible is and deepen their faith in the process.

Homework: Minimal (less than 30 minutes per week, most weeks there will be none)

Required Curriculum: None

Other Materials Required: None

Story of the World: Volume 2 Middle Ages

Full Year, Grades 3-8 Maximum Students: 10

Class Fee: \$20

Class Description: During class students will complete arts and crafts projects that are related to the textbook chapter topics. Students will also create an ongoing geography folder throughout the school year.

Homework: Students will need to read the *Story of the World* chapters assigned before coming to class. There may also be some worksheets to complete that are handed out in class.

Required Curriculum: *Story of the World, Volume 2 Middle Ages* textbook. Author Susan Wise Bauer. Christian Book Distributor (CBD) \$12.64

Other Materials Required: none

Uncle Sam and You: Civics

Full Year, Grades 6-8 Maximum Students: 12

Class Fee: \$5

Class Description: Uncle Sam and You will immerse students in a full year of learning about civics and government. Designed for students in grades 6-8, lessons focus on America's founding documents, branches of government, patriotic symbols, voting, the election process, Washington, D.C., the presidency, how Congress works, American holidays, and aspects of federal, state, and local government. Each lesson includes a short chapter to read that explains the topic to the student. Lessons conclude with a variety of subject-based activity ideas that relate to Biblical studies, literature, creative writing, art, vocabulary, reading assignments, and notes for student workbook/lesson review. Fifteen units are included in each text, with four lessons in each unit.

Homework: Daily reading and writing assignments

Required Curriculum: Uncle Sam and You curriculum package which includes: <u>Uncle Sam and You Part 1</u>, <u>Uncle Sam and You Part 2</u>, <u>The Citizen's Handbook</u>, and the <u>Uncle Sam and You Answer Key</u> (\$100.00 from Christian Book Distributors or Notgrass); and <u>Uncle Sam and You Lesson Review</u> (\$9.95 from CBD or Notgrass); used copies may be available from other families or a homeschool book-sale for less. **ISBN**: 1609990528

Other Materials Required: Pencil, colored pencils, scissors, glue-stick, 1-inch three-ring binder

Introduction to Digital Photography

Full Year, Grades 6-12 Maximum Students: 15

Class Fee: \$20

Credits Earned: 1 Credit

Class Description: Discover the essentials of digital photography. From understanding camera basics to learning composition techniques and some basic editing skills, students will learn to capture stunning images that tell compelling stories. Through hands-on projects and interactive lessons, students will develop a solid foundation in photography, enabling them to unleash their creativity behind the lens. Join us for an exciting exploration of the art and craft of digital photography!

Homework: Students will complete worksheets, practice skills with the camera, and will complete photo projects.

Required Curriculum: None

Other Materials Required: A digital camera (preferably DSLR or Mirrorless) that has a manual mode. A three-ring binder. Pencil. Computer (not a cell phone) and Internet access at home for submitting homework and projects. (Note, occasionally, a laptop will need to be brought to class).

From Brainstorm To Business

Full Year, Grades 6-12

Maximum Students: No maximum

Class Fee: \$5

Credits Earned: 1 credit can be earned

Class Description: Does your teen want to start their own business, but you don't know where to start? I've got you covered! Using my entrepreneurial experience, I carefully crafted this 20-lesson curriculum spanning over 80 pages. With its thorough, hands-on approach, From Brainstorm to Business covers the basics of entrepreneurship and carefully guides the building of a business from idea to marketplace. It is a truly life-changing journey. Visit: www.FromBrainstormToBusiness.com for your FREE curriculum preview.

Homework: Yes, there will be informal homework; you will be building a business. The amount of homework will depend on your dedication to creating your business.

Required Curriculum: go to www.FromBrainstormToBusiness.com and purchase the Christian curriculum (\$20.00) The curriculum needs to be printed out and either bound or hole-punched and placed in a 3-ring notebook for the first day of class.

Other Materials Required: none

Early Childhood Education

Full Year, Grades 6-12 Maximum Students: 12

Class Fee: \$10

Credits Earned: 1 credit

Class Description: This class will teach how young children grow and develop, different philosophies of early childhood education and practical teaching ideas and lesson planning. Included in the class will be an opportunity to gain certification in Red Cross CPR and First Aide. Student will also create lesson plans and then teach them at co-op in the early childhood classes.

Homework: Assigned reading, assignments/questions, class presentation and creating lesson plans/materials to teach to the early childhood classes at co-op

Required Curriculum: Each family needs to purchase <u>Early Childhood Education</u> (an ebook that needs to be downloaded and printed out) This needs to be printed out and from 7sistershomeschool.com before the first day of class and brought to class in the 3-ring notebook. It is available for \$34.99 at this link: https://www.7sistershomeschool.com/product/early-childhood-education/

Other Materials Required: 3-ring notebook and lined paper

High School

Grades 9-12 unless otherwise noted

First Period

Intro to Forensic Science

Full Year, Grades 9-12 Maximum Students: 25

Class Fee: \$10

Credits Earned: 1 science credit

Class Description: By studying forensics investigation steps and performing labs on related science basics, students will acquire a comprehensive background in forensics science, including learning about the many career opportunities in the field. Students will examine case studies of well-known past crimes, analyze the chain of events and evidence, and learn how the application of forensics science contributed to bringing the perpetrators to trial. This class also provides an overview of the judicial system and how forensics specialists interact with different departments. Students will perform labs, learn how forensic evidence is used in crime investigations, and write case analyses to synthesize the information.

<u>Important note for Parents:</u> Because of the subject matter, the course content can be graphic, dealing with real-life crimes, human depravity, death, body decomposition, drugs, alcohol, gunshots, and other related topics. Please discuss as a family to determine that your student is emotionally and socially prepared to deal with these subjects before registering.

Homework: Reading, Case Studies, exercises and labs.

Required Curriculum: MasterBooks Intro to Forensic Science Student Text ISBN: 9781683442417

Other Materials Required: Notebook

Exploring Creation with Biology - Supplemental Lab Class

Full Year, Grades 9-12 Maximum Students: 16

Class Fee: \$30

Credits Earned: 1 science credit; A final grade will be issued.

Class Description: This is a lab course meant to supplement the home use of the *Apologia Exploring Creation* with *Biology* curriculum. The curriculum and supporting lab work give students an overview of the methods, concepts, and vocabulary of general biology. Topics covered include: scientific method, five-kingdom classification scheme, microscopy, biochemistry, ecosystems, cellular biology, genetics, creation science, evolution, and dissection.

Class time needed to complete labs is often <u>very</u> limited, and therefore discussion of concepts from the text and review will only be covered as time permits. A grade will be compiled from lab-class participation & homework completion, graded lab reports, and test grades. Homework/textbook work will not be collected. A final grade will be issued at the end of the school year.

Homework: Students will be responsible for completing the daily <u>home</u> curriculum work (text readings, assignments, and studying) in preparation for the lab work. Students will be expected to take tests and complete written lab reports at home. The multiple-consecutive-day nature of some lab experiments will occasionally require students to prepare an experiment at home OR continue an experiment at home; specific directions will be given ahead. Dissections will be limited to the lab classroom. Estimated student time commitment outside of class is a *minimum* of 1.5 hours per day (more time may be required depending on the student).

Prior to the first co-op lab class, students should have read Module 1, completed the corresponding Student Notebook assignments, prepared the vocab flashcards for that module and studied. After each subsequent lab class, students will be responsible for completing the written lab report (to be turned in for a grade), completing the next assigned textbook pages, prepping vocab cards, completing lab leading-up work for the next lab class, and studying. Parents are responsible for administering tests at home when listed in the lab class syllabus.

Required Curriculum: Apologia's *Exploring Creation with Biology* textbook, 3rd edition, ISBN-13: 978-1-946506-45-0. Approx. \$65 (new).

Exploring Creation with Biology Student Notebook, 3rd edition, ISBN-13: 978-1-946506-48-1. Approx. \$35. Exploring Creation with Biology Solutions and Test Manual, 3rd edition, ISBN-13: 978-1-946506-46-7. Approx. \$20.

Available (but <u>not required</u>) student/parent curriculum support materials:

Exploring Creation with Biology 3rd Ed. Vocabulary Flash Cards (PDF download by Knowledge Central from Christianbook.com \$7.50 **OR** the same set of pre-printed flash cards via eBay \$24.99).

An auto-reading of the textbook: MP3 Audiobook CD, 3rd edition, ISBN-13: 978-1-946506-49-8 (approx. \$25).

Expensive but an option: Apologia Biology Video Instruction Thumb Drive, ISBN-13: 978-1-946506-50-4 (approx. \$200). An auto-visual support to understanding concepts but *not a replacement* for the textbook readings.

Other Materials Required: An old button-down long-sleeve dress shirt or lab coat is recommended; pen, pencil, colored pencil set; 3-ring binder with lined notebook paper & blank printer-type paper; index cards (if the flashcards are not purchased, PDF or pre-printed); and, occasionally for labs common household items will be needed.

Personal Finance

Full Year, Grades 9-12 Maximum Students: 20

Class Fee: \$10

Credits Earned: 1 credit (Consumer Math)

Class Description: This course is designed to provide personal and practical finance knowledge with valuable life skills applications. We will cover topics such as but not limited to saving, budgeting, debt, college awareness, consumer awareness, investing, insurance, careers, taxes, giving, and global economics. We will be using Dave Ramsey's teaching as a spine, but branching out from it and adding to it.

Homework: Weekly homework including activities and/or reading assignments, quizzes/tests, and a year-end budget project.

Required Curriculum: None. Students will be provided with all the materials they will need for the class.

Other Materials Required:

- -Computer/laptop with internet access for home usage and occasionally in class
- -Pen/pencil and notebook for taking notes during class

<u>-STUDENTS MUST HAVE THEIR OWN G-MAIL ACCOUNT</u>: We will be utilizing Google Classroom. This is where they will take their quizzes/ tests, catch up on missed "in class" work/videos, and be assigned activities/projects throughout the year. (They will be taught how to use Google Classroom if they are not familiar)

High School Sign Language

Full Year, Grades 9-12 Maximum Students: 10

Class Fee: None Credits Earned: 1

Class Description: This course is specifically designed to be an introduction for high school students to American Sign Language as it is used within the Deaf community. The focus will be on communicative skills, high-frequency vocabulary, basic sentence constructions, and common phrases. Students will be introduced to aspects of the Deaf culture and will highlight significant historical events and prominent figures within the Deaf community. Active student participation is vital. If a student has previously taken a sign language course, this class will be a good refresher and more in-depth projects will be assigned for those students to extend their learning.

Homework: Daily/weekly homework is required. Students will be required to practice their weekly vocabulary and upon arriving to class be prepared to communicate with their peers and teacher using ASL. Active class participation is vital and will be reflected in their grade.

*Semester projects (two per semester) will be assigned and all students are expected to fully complete them and present their finished projects to the class.

Required Curriculum: All curriculum is provided, no additional curriculum is needed.

Other Materials Required: 1-inch 3-ringed binder (that is used solely for this course), tabs for sections titled: syllabus, vocabulary, homework, resources

Second Period

Writing with Skill, Level 2

Full Year, Grades **8-10** Maximum Students: 10

Class Fee: \$3

Credits Earned: 1 English credit for high school

Class Description: Building on the skills taught in Level 1, the Level 2 workbook is written directly to the students to encourage them to take the initiative in developing their basic writing skills. Skills taught in Level 2 include one-, two-, and three-level outlining; writing chronological narratives, biographical sketches, scientific descriptions, sequences across the curriculum; constructing basic literary essays on fiction and poetry; and researching and documenting source material.

Homework: Students will have **daily** work that should take 30-60 minutes. Parental instruction will be encouraged/necessary for some assignments. Please do not sign up for this class unless you are committed to keeping up with the daily work assigned.

Required Curriculum: <u>Writing with Skill, Level 2, Student Workbook</u> by Susan Wise Bauer, ISBN-10: 9781933339610 (\$22.50 at rainbowresource.com) **AND** <u>Writing with Skill Level 2, Instructor Text</u>, ISBN-10: 1933339608 (\$22.50 at rainbowresource.com)- this is needed for guiding the student with the daily work at home.

Other Materials Required: 3-ring notebook with 6 dividers, lined paper, writing utensils. An email address and access to Google Docs is **strongly encouraged**.

Intro to Creative Writing- FALL

Fall Semester, Grades 9-12 Maximum Students: 10

Class Fee: \$5

Credits Earned: 0.5 English credit

Class Description: In this class, students will learn about a few of the major genres in creative writing—Creative Nonfiction, Poetry, and Fiction—and will have opportunities to try out each genre through in-class and out-of-class creative writing exercises and assignments. In addition to class lectures and exercises, students will read and analyze short "mentor texts" (essays, narrative essays, poems, picture books) in order to identify and practice elements of good writing. They will engage in fun, creative writing exercises both in and outside of class, and will also work on some larger assignments (such as the 100-word personal essay, re-telling of Bible story, and children's book). They will also have the opportunity to share their writing with classmates.

The NONFICTION unit (~5 weeks) will focus on personal narrative writing—both long and short forms—including an opportunity to submit the shorter (100-word) essay to the NY Times 100-word essay contest. Students will also complete a creative retelling of a Bible story.

A short POETRY unit (~2 weeks) will expose students to several different forms of poetry and allow students to practice writing in these forms. Students will learn about and practice using poetic devices, which they will be able to apply to all genres of writing

In the FICTION unit (~5 weeks), students will learn about and practice elements of story-writing, including point-of-view, scene writing, and characterization. This unit will culminate in first analyzing and then writing a children's story.

Homework: Weekly homework will range from 1-4 hours (estimate), depending on student motivation/desire and the nature of the week's assignment; it will typically include finishing a creative writing assignment begun or assigned in class and/or reading/answering questions about a short "mentor text" (personal essay, poems, etc.--supplied by teacher). Students will use their "Literary/Idea Notebooks" during the week to record new vocabulary + definitions, well-written lines/phrases they find "in the wild", creative inspiration, story ideas, and more.

Required Curriculum: None

Other Materials Required:

- -3 ring binder with 4 dividers and lined paper
- -A laptop to type on/bring to class would be ideal, though we won't use it every class
- -"Literary/Idea notebook", any size (recommend 4"x6" or bigger) and style (lined, unlined, grid) that the student will enjoy and can comfortably write in.

C.S.Lewis: Literature: FALL

Fall Semester, Grades 9-12 Maximum Students: 12

Class Fee: \$12 Credits Earned: 0.5

Class Description: Class will study the life and works of one of Christianity's most influential writers. This class will be highly discussion-based and students will be expected and required to critically interact with the text both in class preparation and during class sessions. There will be content questions, discussion questions, and applications to our lives, communities, and other works of literature.

Homework: Daily reading will be required as well as vocabulary lists, worksheets, and discussion questions. Class will conclude with an end of the year interactive presentation.

Required Curriculum:

Lenten Lands by Douglas H. Gresham ISBN: 9780060634476

Surprised by Joy by C. S. Lewis ISBN: 9780062565433

Out of the Silent Planet by C.S. Lewis ISBN: 9780743234900

Perelandra by C.S. Lewis ISBN: 9780743234917

Till We Have Faces by C.S. Lewis ISBN: 9780156904360

The Lion, The Witch and The Wardrobe by C.S. Lewis 978-0-06-023481-2

Please contact the teacher before buying books as the required curriculum may change. The teacher will also provide an Amazon list of preferred editions.

Other Materials Required: Binder with dividers labeled for each of the books.

American Literature: SPRING

Spring Semester, Grades 9-12 Maximum Students: 12

Class Fee: \$12

Credits Earned: 0.5 credit

Class Description: Students will learn to better understand and enjoy literature by learning to notice and understand how authors craft their stories and studying the themes and ideas introduced in the books. Class will use some Progeny Press study guides that include: background, activities, vocabulary, content questions, literary analysis, and terminology questions which are designed to give students a good understanding of writing technique and how to apply it. The class will also use critical analysis questions designed to help students consider and analyze the intellectual, moral, and spiritual issues in the stories and weigh them with reference to scripture and connections to their own lives and other works of literature.

Note to parents: Several of the books in this class include mature themes. If you are unsure that your student is prepared academically or emotionally to study these books, please reach out to the teacher for more information.

Homework: Daily reading and workbook pages. End of novel projects. Participation during in-class discussion is extremely important and will be required.

Required Curriculum: The study guides will be provided. Purchase of these books are necessary: To Kill A Mockingbird by Harper Lee- ISBN 0446310786

Fahrenheit 451 by Ray Bradbury - ISBN 1451673264

My Antonia by Willa Cather - ISBN 9781660258468

Grapes of Wrath by John Steinbeck - ISBN 0143039431

Please contact the teacher for an Amazon list of preferred copies. Total is approximately \$40.

Other Materials Required: 3-ring binder with dividers labeled for each book.

Homeschool Court & Mock Trial: FALL

Fall Semester, Grades 6 -12 Maximum Students: 14

Class Fee: \$15

Credits Earned: 0.5 credit Civics/Social Studies for high school

Class Description: Students will learn about the American legal system and specific case information, the basics of the judicial system including roles and vocabulary, types of cases, and steps toward the art of persuasive argument. This knowledge of the American judicial system will help them to become informed citizens and strengthen their critical reasoning to apply a Biblical worldview in the principles and history of the legal system. Committed investment to this curriculum improves reading comprehension, writing, debate, logic, communication, and cooperation with a team.

Homework: Preparation in writing and speech practice 1-4 hours per week outside class; dependent on student's role in the trial

Required Curriculum: Digital Student Worktext - please have printed out before the start of class: <u>Student Worktext (Digital) | Homeschool Court</u>

Optional supplement: <u>Good Arguments: Making Your Case in Writing and Public Speaking: Richard A.</u>
<u>Holland Jr., Benjamin K. Forrest: 9780801097799 - Christianbook.com</u> (check out AbeBooks & Thriftbooks to buy used at lower prices)

Other Materials Required: Index cards, writing + highlighting + note-taking materials. Professional outfit for trial days - slacks or skirt, closed-toed shoes that are clean, button-down or dressy blouse, etc. Part of the grading system is based upon the student's physical presentation during mock trial days - as it would be in a courtroom!

Dialogue, Discussion, and Debate: SPRING

Spring Semester, Grades 6 - 12 Maximum Students: 10

Class Fee: \$10

Credits Earned: 0.5 Credit Science, English, or Social-Civics

Class Description: Using *Dialogue*, *Discussion*, *and Debate of Science*, students will analyze and talk about issues at the forefront of contemporary science and culture. Topics to discuss and debate from a Biblical vs. cultural worldview are nanotechnology, genetic food engineering, climate change, nuclear and solar energy resources, Pluto, mining and manufacturing on the moon, alternative medicines, community waste, universal life, stem-cell research, evolution v. creationism, and organic farming. Each topic will include brief overviews, investigative questions, classroom preparation, instructional steps to critical thinking and respectful discourse, and assessment criteria.

Homework: 1-4 hours of research, writing, and speech practice outside of class per week

Required Curriculum: Digital Download - please print out before the start of class: <u>Digital Download Dialogue</u>, <u>Discussion</u>, and <u>Debate</u>: <u>Science - PDF Download [Download]</u>: <u>9780825166501 - Christianbook.com</u> (search for print copies at used curriculum sales & websites!)

Optional supplement: <u>Good Arguments: Making Your Case in Writing and Public Speaking: Richard A.</u>
<u>Holland Jr., Benjamin K. Forrest: 9780801097799 - Christianbook.com</u> (check out AbeBooks & Thriftbooks to buy used at lower prices)

Other Materials Required: Index cards, writing + highlighting + note-taking materials

Intro to Art

Full Year, Grades 6-12 Maximum Students: 20

Class Fee: \$20

Credits Earned: 1 credit

Class Description: Students will learn the basics of contour lines, shading, perspective, using the grid, portrait drawing, color theory, painting, and mixed media. Students will also keep an art journal throughout the course.

High School: To earn credit for this class, high schoolers will participate in at-home activities including specific art journal content, art critiques, and research on artists.

Homework: Middle School: Art journal, High School: Art journal, art critique and artist research project.

Required Curriculum: provided

Other Materials Required: Sketchbook, Pencils, Erasers, Ruler, Acrylic paint set, brush set

Bring Your Drama!

Full Year, Grades 6-12 (For mature 6th-8th graders who can handle the work)

Maximum Students: 18

Class Fee: \$40

Credits Earned: 1 credit (pass or fail grade from participation in assignments, memorization of lines, and

performing in the end-of-the-year showcase)

Class Description: Bring your drama, a good attitude, and your creativity! During the school year, we will work through the different stages in the world of theater! We will cover different types of theater (plays, musicals, etc.), writing an acting resume, how to audition, what it takes to put on a show (tech team, sound team, stage crew, etc.), learning simple choreography (when studying musicals), memorizing lines and performing a mini show at the end of the school year for family night.

*We will be watching some excerpts from different plays or musicals. These will be from family-friendly shows. Parents will be informed whenever we plan to watch something and what it is so that you can opt-out if you are uncomfortable with the selection.

Homework: There will be assignments throughout the year including a 5x7 or 9x12 headshot photo to go with the resume, memorization of lines, writing a monologue, and performing during class in front of peers.

Required Curriculum: None. Curriculum will be provided as well as a binder.

Other Materials Required: pen, pencil, 1 or 2 different colored highlighters. Will be asked to bring in "props", costume pieces (which can be found at home)

Third Period

Exploring Government: FALL

Fall Semester, Grades 9-12 Maximum Students: 10

Class Fee: none

Credits Earned: 1/2 social studies credit (If parents opt for the additional reading, students can earn 0.5

Language Arts credit and will need to purchase additional books)

Class Description: Lessons cover federal, state, and local governments and also contemporary issues in government. Special emphasis is placed on the Biblical basis for government and on the U.S. Constitution. Each of the fifteen units is intended to be studied for one week.

Homework: Students will have reading and other assignments to complete at home each week.

Required Curriculum:

- Exploring Government Student Text (2016 Edition) Ray Notgrass, ISBN: 1609991001 (\$45)
- Exploring Government Student Review Pack (2016 Edition) Ray Notgrass, 1609990994 (\$12) (Includes student review, quiz, and exam book, and answer key) all available on christianbook.com
- If completing the additional literature credit- <u>We Hold These Truths</u> ISBN: 9781609991012 (\$20.00) and any additional books listed in the curriculum.

Other Materials Required: 3-ring binder with dividers, notebook paper, writing implements

Exploring Economics: SPRING

Spring Semester, Grades 9-12 Maximum Students: 10

Class Fee: none

Credits Earned: 0.5 Social Studies credit (If parents opt for the additional reading, students can earn 0.5

Language Arts credit)

Class Description: Lessons cover economic terms and issues that have an impact on the United States and its citizens. This course introduces both microeconomics and macroeconomics. Exploring Economics surveys Biblical teaching on money and finance, provides an overview of the economic history of the United States, gives a clear explanation of terms and concepts used in economics, discusses economic issues confronting us today, and puts our participation in the national and world economies on a personal level.

Homework: Students will have reading and other assignments to complete at home.

Required Curriculum: • Notgrass Exploring Economics ISBN 1609990943 \$45.00

- Exploring Economics Student Review Pack ISBN: 1609990935 \$12.00
- If completing the additional Literature credit- Making Choices, Readings in Economics ISBN: 1609990951 (\$20.00) and any additional books listed in the curriculum.

Other Materials Required: 3 ringed binder, dividers, pens, paper

Exploring World History: Notgrass

Full Year, Grades 9-12 Maximum Students: 10

Class Fee: none

Credits Earned: 1 social studies credit

Class Description: Exploring creation through modern times. This curriculum approaches history from a Christian perspective, providing the student with a strong understanding of history. This course will provide 1 credit of history/social studies. (There are credits that can be given by the parent if the student chooses to do the literature and Bible portion, however, this class will focus on the history portion of the curriculum) There will be daily lessons that will need to be done at home. There will be quizzes and cumulative exams, along with projects, throughout the year.

Homework: daily reading/questions, weekly quizzes, Cumulative exams, various projects throughout the year

Required Curriculum: ISBN# 9781609990640 Exploring World History Curriculum Package (**\$110.00**-new) and ISBN # 9781609990657 Exploring World History Student Review Pack (**\$17.00**-new)

If you have more than one student they can share the textbooks and the review book, you will only need to order a separate quiz/exam book All of this is available through notgrass.com, other homeschool retailers, or used.

Other Materials Required: Spiral Notebook to answer questions from student review. Any other supplies that would be needed will be in the syllabus. Everything should be fairly easy to gather in order to complete creative projects. (poster board, colored pencils, those types of items)

Introduction to Digital Photography

Full Year, Grades 6-12 Maximum Students: 15

Class Fee: \$20

Credits Earned: 1 Credit

Class Description:

Discover the essentials of digital photography. From understanding camera basics to learning composition techniques and some basic editing skills, students will learn to capture stunning images that tell compelling stories. Through hands-on projects and interactive lessons, students will develop a solid foundation in photography, enabling them to unleash their creativity behind the lens. Join us for an exciting exploration of the art and craft of digital photography!

Homework: Students will complete worksheets, practice skills with the camera, and will complete photo projects.

Required Curriculum: None

Other Materials Required: A digital camera (preferably DSLR or Mirrorless) that has a manual mode. A three-ring binder. Pencil. Computer (not a cell phone) and Internet access at home for submitting homework and projects. (Note, occasionally a laptop will need to be brought to class).

From Brainstorm To Business

Full Year, Grades 6-12

Maximum Students: No maximum

Class Fee: \$5

Credits Farned: 1 credit can be earned

Class Description: Does your teen want to start their own business, but you don't know where to start? I've got you covered! Using my entrepreneurial experience, I carefully crafted this 20-lesson curriculum spanning over 80 pages. With its thorough, hands-on approach, From Brainstorm to Business covers the basics of entrepreneurship and carefully guides the building of a business from idea to marketplace. It is a truly life-changing journey. Visit: www.FromBrainstormToBusiness.com for your FREE curriculum preview.

Homework: Yes, there will be informal homework; you will be building a business. The amount of homework will depend on your dedication to creating your business.

Required Curriculum: go to www.FromBrainstormToBusiness.com and purchase the Christian curriculum (\$20.00) The curriculum needs to be printed out and either bound or hole-punched and placed in a 3-ring notebook for the first day of class.

Other Materials Required: none

Early Childhood Education

Full Year, Grades 6-12 Maximum Students: 12

Class Fee: \$10

Credits Earned: 1 credit

Class Description: This class will teach how young children grow and develop, different philosophies of early childhood education, practical teaching ideas, and lesson planning. Included in the class will be an opportunity to gain certification in Red Cross CPR and First Aide. Students will also create lesson plans and then teach them at co-op in the early childhood classes.

Homework: Assigned reading, assignments/questions, class presentation and creating lesson plans/materials to teach to the early childhood classes at co-op

Required Curriculum: Each family needs to purchase <u>Early Childhood Education</u> (an ebook that needs to be downloaded and printed out) This needs to be printed out from 7sistershomeschool.com before the first day of class and brought to class in the 3-ring notebook. It is available for \$34.99 at this link: https://www.7sistershomeschool.com/product/early-childhood-education/

Other Materials Required: 3-ring notebook and lined paper