High School Courses

High School Chemistry Lab:
Grades: 10th -12th Grade
Teachers: Greg & Susie Baxter
Day/Time/Duration: Thursdays, 9:00-10:50 am, **meets every other week**
Tuition: $100 per semester, full year course
Supply Fee: $25 per year
Prerequisite: Algebra 1 (preferably taking Algebra 2 concurrently)

Textbook: *Suggested: DIVE Chemistry $65.99 (digital download, DVD or elearning) https://diveintomath.com/chemistry/ "Featuring colorful graphics and animation, the included Internet Textbook provides engaging 21st Century reading assignments for each lesson. If a physical text is preferred, a reading syllabus with exact page numbers for each lesson is available for most high school texts, like Bob Jones, Apologia, Abeka, as well as many secular texts."* (**see important note below)

Other Requirements: Google Classroom will be used for communication, therefore a valid email address and a computer with internet access is required.

Description: This is a LAB ONLY class that will use the scope and sequence of DIVE Chemistry as the backbone. Topics include matter, atomic bonding, electrons and energy levels, isotope ratios, and reactions and equations. Students will be given a syllabus that lets them know what topics they need to have studied before coming to Lab class. In this LAB ONLY class, we will perform 7 labs per semester and teach students how to enhance their Lab Report writing skills. The only grades given in this class will be from student's Lab Reports. Lab work will be engaging and relevant, sometimes messy, sometimes fiery, but hopefully fun and memorable to help students connect to the God who created chemistry! Our desire is to instill in students a true appreciation for the incredible awesomeness of our Creator! "…God's works are so great, worth a lifetime of study…" Psalm 111:2 (MSG).

**The purchase of DIVE curriculum gives students access to digital flashcards, video instruction, online articles, related videos, and online testing (with immediate grading). However, students can be successful in the class even if they use other textbooks to learn the information, if that is a better fit for your family. For parents who prefer a "hands-off" approach, we highly recommend the DIVE curriculum because the grading is done for you. For parents who prefer to assess their students themselves or have students who prefer learning in individual ways, the option for other textbooks and/or resources gives families the freedom to choose what is best. A combination of DIVE and other assessments is also possible. "DIVE Chemistry is a complete, college preparatory chemistry course, anchored in Christ. Including topics like atomic and molecular bonding, chemical reactions and equations, stoichiometry, gas laws, solutions, thermodynamics, chemical equilibrium, oxidation/reduction reactions and electrochemistry, organic chemistry, biochemistry, and nuclear chemistry. Most importantly, students will have a better understanding of the laws God has woven into Creation and the rich Christian heritage that exists in science."

COVID-19 CONTINGENCY: If classes get canceled due to covid-19 concerns, we will provide online opportunities for continued learning options for families. However, with the nature of the hands-on element of our class, we will also work with families to plan "make-up" labs, including, but not limited to, performing labs in our home, scheduling a "Lab Day" where we tackle several labs in one day, or give families alternative labs that they can perform safely at home. Unfortunately several of our labs would be a safety hazard if they were given to students to perform at home. But we are willing to work with each family's needs to make sure their student receives lab credit (for high school classes). We will also be willing to refund a prorated amount of tuition, based on how many Co-Op days are missed.

High School Integrated Chemistry & Physics (AKA Physical Science) Lab
Grades: 8th-10th Grade
Teachers: Susie Baxter & Cassie Carrillo
Day/Time: Thursdays, 9:00-10:50 am, **meets every other week**
Tuition: $100 per semester, full year course
Supply fee: $25 per year
Prerequisite: none, but preferred Algebra 1 taken concurrently

Textbook: *Suggested: DIVE Integrated Chemistry & Physics $65.99 (digital download, DVD or e-learning) If a physical text is preferred, a reading syllabus with exact page numbers for each lesson is available for most high school texts, like Bob Jones, Apologia, Abeka, as well as many secular texts."* (**see important notes below)

Other Requirements: Google Classroom will be used for communication, therefore a valid email address and a computer with internet access is required.

Description: This is a LAB ONLY class that will use the scope and sequence of DIVE Integrated Chemistry & Physics as the backbone. Topics include the Scientific Method, scientific notation, atomic structure, chemical bonding, pressure and fluid dynamics, and electromagnetic waves. Students will be given a syllabus that lets them know what topics they need to have studied before coming to Lab class. In this LAB ONLY class, we will perform 7 labs per semester and teach students how to write a solid Lab Report. The only grades given in this class will be from student's Lab Reports. Lab work will be engaging and relevant, sometimes messy, sometimes fiery, but hopefully fun and memorable to help students connect to the God who created our world. Our desire is to instill in students a true appreciation for the incredible awesomeness of our Creator! "…God's works are so great, worth a lifetime of study…" Psalm 111:2 (MSG).

**The purchase of DIVE curriculum gives students access to digital flashcards, video instruction, online articles, related videos, and online testing (with immediate grading). However, students can be successful in the class even if they use other textbooks to learn the information, if that is a better fit for your family. For parents who prefer a "hands-off" approach, we highly recommend the DIVE curriculum because the grading is done for you. For parents who prefer to assess their students themselves or have students who prefer learning in individual ways, the option for other textbooks and/or resources gives families the freedom to choose what is best. A combination of DIVE and other assessments is also possible. Please do not hesitate to reach out to us with any questions!

COVID-19 CONTINGENCY: If classes get canceled due to covid-19 concerns, we will provide online opportunities for continued learning options for families. However, with the nature of the hands-on element of our class, we will also work with families to plan "make-up" labs, including, but not limited to, performing labs in our home, scheduling a "Lab Day" where we tackle several labs in one day, or give families alternative labs that they can perform safely at home. Unfortunately several of our labs would be a safety hazard if they were given to students to perform at home. But we are willing to work with each family's needs to make sure their student receives lab credit (for high school classes). We will also be willing to refund a prorated amount of tuition, based on how many Co-Op days are missed.

High School Writing, Structure & Style:

Grades: 9th-12th Grade
Teacher: Christen Ford
Day/Time: Thursdays, 12:00am – 12:50pm
Tuition: $100 per semester —full year course
Supply fee: $30 per year (materials packet and binder)
Prerequisite: none

Textbooks: Materials taken from *Teaching Writing: Structure and Style* published by IEW.
ISBN: Binder: 978-1-62341-221-0
Copyright Date: 2015
Specifications: 234 pages
(No purchase necessary)

Description: This course is a beginning level writing class or refresher class. It assumes no prior writing knowledge; however this also works well to reinforce and build upon prior knowledge as well. Sentence structure, grammar, and use of a wide range of vocabulary to design more interesting paragraphs will be the end goal of this class. Writing an outline, creating stories, reports, critiques, and essays will be taught and assigned. A five-paragraph story/essay will be the final project for this course. **Assignments are customized based on personal level to accommodate multiple grades.** Each assignment will be graded and critiqued accordingly. A dictionary and thesaurus will be required. Materials packet and binder will be handed out in the first class to be used throughout the year. Additional materials may be added as needed for reinforcement.

COVID-19 CONTINGENCY: If gatherings become prohibited, we will just continue classroom discussion in zoom, but all other activities will be able to remain the same on the other days of the week. I will give full refunds to any parents who choose not to continue with my course before the first day of class if gatherings become prohibited or if gathering becomes a concern to you personally. Parents will receive a pro-rated refund for any withdrawals after the start of the semester if you do not choose to continue with online discussions due to gathering prohibitions or gathering concerns. One-on-one consultations of writings can also be arranged online or in person when needed.

High School Composition & Literature: Survey of Playwrights:
Age: 10th-12th Grade (9th grade per teacher approval)
Day/Time: Thursdays, 12:00am-1:20pm
Tuition: $135 per semester —full year course—non-refundable, **meets every other week**
Supply fee: $50 due upon enrollment (Non-refundable and holds a spot in the class)
Prerequisite: Ability to write a complete sentence and desire to improve writing skills.

Textbooks: *The Glass Menagerie*, ISBN: 0451166361, *Importance of Being Earnest,* ISBN: 1503331741, *Pygmalion*, ISBN:1514698366, *Our Town* ISBN: 0060512636, *Much Ado About Nothing,* ISBN: 1512100005, and *A Doll's House,* ISBN: 0140441468, *Wicked, the musical* (via pdf). ***Note:* The ISBN numbers are listed for reference. It does not have to be the same publisher but does need to be the actual play. Feel free to shop Bibliomania, Amazon and/or Thriftbooks for the best deal.

Description: In this class, students will be taught the basics of academic writing, learn how to write analytical essays, be taught step by step how to write a research paper, learn how to correctly utilize MLA format, and experience and analyze a variety of classic plays. The composition and thinking skills learned in this class will develop a solid writing foundation for any course, as well as prepare students for college-level writing. In addition to a research paper, there will be weekly journal assignments, group work, and an essay assigned for each of the following plays: *The Glass Menagerie* (Tennessee Williams), *The Importance of Being Earnest* (Oscar Wilde), *Pygmalion* (George Bernard Shaw), *Our Town* (Thorton Wilder), *Much Ado About Nothing* (William Shakespeare), *A Doll's House* (Henrik Ibsen), and *Wicked*, the musical (Stephen Schwartz). Students should plan to write one essay each month. This course will cover literature and writing and will count for a full English credit. **Please note: parental involvement at home is strongly encouraged. Know what your student is reading. Discuss the plays together. Review the corrections written on your student's essays, as well as class handouts. Be available to proofread. The more involved you are, the better your student will learn and succeed. ***Also note: grammar will not be reviewed other than in corrective notes on graded essays. It is strongly suggested that your student continue to study grammar in order to be prepared for the ACT.
COVID-19 CONTINGENCY: If gatherings become prohibited or a concern, group classroom discussions will continue through Zoom with one-on-one online consultations of writings online.

High School Speech & Debate
Age: 9th-12th Grade (If you have questions, please contact the instructor.)
Teacher: Tami Mostrom
Day/Time: Thursdays, 1:30-2:50pm, **meets every other week**
Tuition: $110 per semester, full year course
Supply fee: $30 for year

Textbooks: Required: *The Art of Public Speaking, 11th edition* by Stephen E. Lucas. FREE PDF link online--Students will be asked to read/skim parts of this book, but not all.
Optional: *The Thinking Toolbox: Thirty-Five Lessons That Will Build Your Reasoning Skills* by Nathaniel Bluedorn, Hans Bluedorn, & Richard LaPierre--students will review a few chapters in this book. I will provide a link if you would prefer not to purchase.

Description: Public speaking is scary for many people, but it is an essential tool to develop. In this class, students will be taught the basics of public speaking and debating. Students will also be taught the basics of logic and encouraged to use critical thinking skills. The oral speaking, debating and critical thinking skills learned in this class will develop a strong foundation for future courses, for college, and prepare students for situations in daily life. In addition to in-class practice sessions, students should plan to give 3-4 speeches or debates throughout a semester. The more they practice this skill, the stronger they will become. This course will count for a full elective credit.

**Please note: parental involvement at home is strongly encouraged. Know what your student is researching. Be willing to listen to your student practice. Help encourage them and cheer for them. The more involved you are, the better your student will learn and succeed.
COVID-19 CONTINGENCY: If gatherings become prohibited or a concern, group classroom discussions will continue through Zoom with one-on-one online consultations of writings online.

High School Intro to Computer Technology:
Grades: 9th-12th grade
Teacher: Cassie Carrillo
Lab Day/Time: Thursdays, 12:00-1:20
Tuition: 60$ per semester, **FALL ONLY-one semester course**
Optional Supply fees: 20$ (For color printed workbook, see More Information for details.)
Additional Optional Supply fee: 10$ (Assignment printing, see More Information for details.)
Curriculum: Technokids
Requirements: Laptop preferred but a Home PC will work! If a Laptop is not available, I will have a few available to use on Lab Day only. If a loaner laptop is needed during Lab Day, please let me know ahead of time. All software listed or apps must be available on the laptop/Home PC prior to class start date. They include: Microsoft Word, Excel, PowerPoint, Google Classroom, Google Drive, Google Docs, Google Sheets, and Adobe Acrobat Reader. The laptop/PC must have an internet connection. A Color Printer for printing assignments. (Color printer is optional, see "More Information" below.) One notebook binder or one 1-inch 3 ring binder for projects/paperwork.

Description: Part 1: TechnoWonderland: Unique hands-on project-based activities to integrate word processing, spreadsheet, presentation, database skills, and more. Students will start out the semester playing the role of an executive working at an amusement park. They will create a variety of documents: an advertising poster, customer survey, animated billboard, and much more. Skills learned will include:

- *Design a publication for a target audience*
- *Edit text to attract attention and improve readability*
- *Insert and format clip art, pictures, word art*
- *Adjust page layout: orientation, margins, border*
- *Apply internet search strategies*
- *Format and calculate data in a spreadsheet*
- *Graph data and customize appearance*
- *Create PowerPoint slides and modify the design*
- *Animate slide objects and apply transitions*
- *View, search, and add records*

Description Part 2: TechnoTravel: After researching a destination using guided, step-by-step questions, students will create a presentation promoting a weekend getaway. They will provide the advice, schedule, an itinerary, and capture tourist interest using persuasive language. Students will design a travel advertisement using Google Docs and Sheets. Skills learned will include:

- *Customize a slide master*
- *Design one of a kind template*
- *Add lists, graphic organizers, tables, maps, and hyperlinks*
- *Learn how to share projects via slide show, printed brochure, and by video*

More Information: This is a one semester computer class covering introduction topics and projects using Word, Excel, and PowerPoint. We will also transition into topics and projects covering introduction to Google Docs, Slides, and Sheets. The curriculum is set up in worksheet/workbook format which offers step-by-step instructions on how to complete all the assignments/projects. **The color workbook can be printed by me for a supply fee listed above, or you can request the free digital link to the assigned workbook pages which I can share through Google Classroom or email. Keep in mind some of the worksheets require written answers. If you choose the digital links option, you will need to print them yourself.** Assignments will be given via Google Classroom. All Assignments should be **printed using a color printer.** **Other option if a color printer is not available: Student can send all assignments to the teacher via email or Google Classroom, to be printed for an additional $10 supply fee. Payments for color printing must be done ahead of time and cannot be added after class start date.
Assignments: Homework will consist of reading the instructions in the workbook, answering workbook questions, and starting or completing workbook projects. All projects will be saved to a provided Flash Drive. All assignments will be due by Lab Day unless otherwise stated. Occasional quizzes will be given through Google Classroom.
Lab Day: Labs will consist of review, turning in assignments, offering help with any unfinished assignment, along with covering new material. Any assignments completed during Lab Day that require printing, will either need to be submitted to the teacher to print (see additional supply fee under "More Information", or assigned to be printed by the student and placed in their completed file by next Lab Day. All previous assignments will be graded and returned by the following Lab Day. There may be a time when the Lab Day is postponed or moved to another day due to unforeseen work circumstances. Alternate Lab Day make up dates will be posted on Google Classroom. Also, please pay attention during sickness. If your child/children in the home has/have been sick, please do NOT send them to class unless you can confirm that they are not or no longer contagious. Thank you!
COVID-19 CONTINGENCY: If classes get canceled due to covid-19 concerns, I will provide online opportunities for continued learning. I will also be willing to offer a prorated refund of tuition (not including supply fee/s) depending on the number of lab days missed.

High School Intro to Computer Hardware:
Grades: 9th-12th grade
Teacher: Cassie Carrillo and Marcial Carrillo
Lab Day/Time: Thursdays 3:45-5:00
Location: In home class *space is limited
Tuition: 60$ per semester, **SPRING SEMESTER ONLY one semester course**
Supply fee: No supply fee
Curriculum: Carnegie Mellon University: oli.cmu.edu course PC Hardware
Requirements: Laptop/Home PC, an internet connection, PowerPoint or Google slides, Excel or Google Sheets, and Google Classroom.

Description: PC Hardware is an online course, where the content will be presented in the form of both text, activities, and supportive video links. This course contains multiple modules. Each module has features designed to support students as an independent learner, including:

- *Learning Objectives:* These are descriptions of what you should be able to do at the end of a section. A Learning Objective will allow you to direct your learning efforts and enable you to monitor your progress as you explore the content and engage in the activities.
- *Explanatory Content:* This is the informational "meat" of every chapter. Consisting of short passages of text with information, examples, images, and explanations, this explanatory content contains pieces such as:
    - *Walk-throughs:* These are videos embedded in the pages to exemplify the concepts you are exploring. They may provide a more detailed explanation of a topic or guide you through the steps of a process.
    - *Examples:* Designed to illustrate specific applications of the skills and learning objectives that the course supports you to achieve.
    - *Virtual Labs:* Simulations and lab activities designed to give you an opportunity to interact with various hardware elements.
    - *Many Students Wonder sidebars:* These sidebars serve two purposes: (1) to give a quick review of concepts, such as "highly specialized input devices," that are used in the PC Hardware material and (2) to provide additional material or background information that you may find surprising and interesting but that is not going to be assessed in the Quiz.
- *Learning Activities:* There are different types of activities interspersed throughout the course. They include:
    - *Learn By Doing activities:* Learn By Doing activities follow the short explanations and examples. These activities give you the chance to investigate and practice key ideas. Learn By Doing activities have hints and feedback to guide you if you need it.
    - *Did I Get This? activities:* Did I Get This? activities are your chance to do a quick "self-check." These activities do not have hints, and often follow a Learn by Doing activity so that you can determine if you understand the key ideas. This will help you make sure you are ready for graded activities.
    - *Quizzes:* There is a Quiz at the end of each Module. The Quiz will show your instructor how well you understand the key concepts. If you read the information and do the activities in each Module, you should be ready for the Quiz. **The quizzes will be available through the oli.cmu.edu website.
- *Metacognitive Activities:* These activities are designed to support your development as an independent learner, encouraging you to reflect on your progress and plan for continuing success. These activities include:
    - *My Response activities:* These short activities are located at the end of the module; they encourage you to reflect on your progress through the module and estimate how well you believe you've attained the module's learning objectives. These activities also provide a place to share continuing questions and areas of difficulty (if you're using the course in conjunction with an instructor, your questions will be shared with your instructor).
    - *Checkpoints:* These activities are located across the course after sections of content that can be particularly challenging or require additional practice. These metacognitive *checkpoints* encourage you to review your progress so far and assess yourself: are you ready to continue, or do you believe you need additional materials, practice, or self-assessment? If you feel that you're not ready to proceed, these checkpoints provide links to additional learning materials.

Lab Day: All labs will be completed in my home. Activities will include hands-on computer hardware projects to go along with the at home module assignments. All labs will be a minimum of 1 hour in duration, but a few may require more/less time depending on the skill activity. There are also a few times during the semester where an assignment/project will be due in place of the Lab Day. This is a drop off Lab ONLY. Parents will be permitted to stay when arrangements are made ahead of time. Lab days are a requirement for full HS credit of the course. Due to my daytime work obligations, there may be a time when the Lab Day is postponed or moved to another day due to unforeseen work circumstances. Alternate Lab Day make up dates will be posted on Google Classroom. If your student misses a Lab Day due to other circumstances, the student will need to pre-arrange a Lab Make-up Day. Make-up days are at the discretion of the teacher/s. Also, since the class is being offered in my home, please pay attention during sickness. If your child/children has/have been sick, please do NOT send them to class unless you can confirm that they are not or no longer contagious. Thank you!

COVID-19 CONTINGENCY: If classes get canceled due to covid-19 concerns, I will work with families to plan "make-up" labs, including, but not limited to, performing labs in our home, scheduling a "Lab Day" where we tackle several labs in one day. Due to the all hands-on nature of this class, online learning is not available. I will also be willing to offer a prorated refund depending on the number of lab days missed.