

CON VAL SUMMER ACADEMY 2017  
Course Descriptions and Registration Form

The Academy will run for four weeks, July 3, 5, 6 and 7 and then Mondays through Thursday July 10-27,  
with two sessions from  
8-10 a.m. and 10:15 a.m.-12:15 p.m.

*Please note: Con Val Summer Academy reserves the right to cancel any course with less than 5 students enrolled. Honors level courses are not offered during Summer Academy.*

**Credit Recovery** Credit Recovery Courses - for students who wish to improve a grade or past skills. Students with a grade below a 50% are not eligible to take a credit recovery course.

**Credit Recovery and Skill-building: Algebra 1, Algebra 2, Geometry and Pre-Calculus** - Math recovery is taught through ALEKS Online [www.aleks.com](http://www.aleks.com) in a classroom environment with the direct support of a Math Department faculty member. ALEKS uses adaptive questioning to quickly and accurately determine exactly what student understand, then instructs them on the topics they are ready to learn. As students work through the course, ALEKS reassesses each student to ensure that topics learned are also retained. Students must have a minimum grade of 50% in a course to be eligible for credit recovery. **These classes will meet 8:00 am-10:00 am or 10:15 am-12:15 pm depending on registration numbers.**

**Fuel Ed. Credit Recovery** – Online programs available with School Counselor recommendation.

**Enrichment Courses – credited courses and/or skill-building for a future course:**

**Business Education**

**Personal Finance** – This course will provide students with knowledge that is necessary for them to make decisions that affect their daily lives at present or in the future. Topics will include income and taxes, developing a budget, comparing financial institutions, understanding the responsibility of how to use credit responsibly including loans and credit cards. This class will meet from 8:00 am-10:00 am.

**Introduction to Business** – This course will introduce you to the world of business. Topics will include marketing, international business, business management and entrepreneurship. This course will also serve as a background for other business courses you may take in high school and prepare you for future employment. This course satisfies the information technology requirement. This class will meet from 10:15 am-12:15 pm.

## Math

**Algebra 1 Preparation** - This is a non-credited course designed to assist the student in being well-prepared for the Algebra courses that they are enrolled in for the coming school year. This class will meet 8:00 am-10:00 am.

**Algebra 2 Preparation** - This is a non-credited course designed to assist the student in being well-prepared for the Algebra courses that they are enrolled in for the coming school year. This class will meet 10:15 am-12:15 pm.

## Art

**Ceramics: Mold making and slip casting** – Students will learn to create forms that can be cast into molds and then multiplied quickly with slip and slab draping. We will explore concepts around creating a series and developing a theme. Additionally, we will also be using the potter's wheel to develop and refine throwing skills. A sketchbook practice will be also be utilized to plan and modify work as the class progresses. Beginners are welcome and no experience is necessary. This course will fulfill the 1/2 credit NH and Con Val requirement for art. This class will meet from 8:00 am-10:00 am.

**Jewelry making and metalsmithing** - In this course students will create rings, pendants, earrings, and more. Functional design will be the foundation for this class and students will develop their ideas using mixed material from metal and glass to fiber and paper. A sketchbook practice will be also be utilized to plan and modify work as the class progresses. Beginners are welcome and no experience is necessary. The course will fulfill the 1/2 credit NH and Con Val requirement for art. This class will meet from 10:15 am-12:15 pm.

**The Science of Art** - This interdisciplinary course is a means for students to fuse art and science for learning and creatively communicating how nature works. Students will engage in hands-on projects that combine artmaking with chemistry, earth, and environmental science. Projects include: copper etching jewelry, indigo dye textiles, cyano print photography, pinhole photography, field guide creation, and nature-based sculpture. Students will be engaged in making things every day while learning more about the science that is embedded in our projects. Students will keep engage in discussion about the science of our hands-on projects supported by readings, written responses, and student-centered inquiry. The course will fulfill the 1/2 credit NH and Con Val requirement for art. This class will meet from 8:00 am-10:00 am.

**How to Make Books** - This course is an introduction to the discipline of Book Arts. Students will learn how to make a variety of handmade book structures including: simple one-page structures, Japanese Stab Bindings, Coptic Journals, Long Stitch Books, Pop-Up and Tunnel Books. Book structures set the stage for content that we will develop over the course of the class. Students will respond to creative writing prompts and create their own comics and illustrations. The course will fulfill the 1/2 credit NH and Con Val requirement for art. This class will meet from 10:15 am-12:15 pm.

## English

### **Dystopian Fiction on the Theme of Climate Change**

**“Our Darkening World** - In collaboration with the Harris Center for Conservation Education and the Peterborough Town Library, students in this course will examine multiple forms of media that examine issues in climate change, specifically melting ice caps, flooding, pollution, and bioengineering. Through reading short dystopian stories, listening to guest speakers, and analyzing video and articles, students will combine the science of climate change with their own creativity and create a dystopian piece of fiction such as a short story, one act play, graphic novel, etc. that illustrates what our world could one day be like if we don't make necessary changes and find a solution to this overwhelming problem. The Peterborough Library will be hosting a showcase for the community of the final dystopian student works. This class will meet from 8:00 am-10:00 am.

## Theatre Arts

***Backstage to Onstage! - Presenting*** - "Singing in the Rain, Jr." - This intensive program will focus on the production of Con Val's fourth annual summer musical! From lighting design to choreography, this class will allow students to learn the business of making a musical, hands on! Bringing together students from CVHS, GBS and SMS, interested applicants will be asked to register for Summer Academy before a late May audition to confirm casting and technical responsibilities. All interested students will be included in a variety of performance and technical roles. *Performances will be Thursday, July 27th at 6:00 pm and Friday, July 28th at 2:00 and 6:00 pm. (E-mail [emoore@conval.edu](mailto:emoore@conval.edu) with questions or to schedule an audition/interview time.)* This class will meet from 8:00 am-10:00 am.

**English or Theatre: Funny Studies** - This class is an exploration into laughter, humor, and comedy of all kinds. Through a combination of reading, writing, viewing, discussing, and creating, students will consider how laughter and humor play out across cultures and text genres – in storytelling, entertainment, the fine arts, and in physical comedy. This is serious business. No clown shoes or wigs allowed...Ok, maybe wigs. This class will meet from 8:00 am-10:00 am.

**Theatre: Scene Study** - This theatre class is for new and experienced theatre students interested in learning and reviewing some of the fundamental skills and craft of acting. In addition to reading plays and screen plays and rehearsing scenes from plays and screen plays, students will learn actor strategies helpful for auditioning, for preparing for first rehearsals, for the rehearsal process, and for performance. Among topics covered: character development, scene analysis, memorization techniques, and working effectively with scene partners and directors. This class will meet from 10:15 am-12:15 pm.

## **Woodworking**

**Introduction to Woodworking** - Learning how to work with wood is not only handy and practical, allowing you to make and fix things around the house, but it also enables you to connect with a long history of artists and craftspeople. This course will teach students how to design, plan, and construct wooden projects of their own choice. The course will focus on creating artistic and decorative pieces such as frames, cutting boards, rolling pins, speakers, and more. Step-by-step, the instructor will demonstrate how to produce these quality projects utilizing a variety of equipment – from hand tools to power tools. Students will learn safety techniques and leave the class feeling comfortable and capable. There are no pre-requisites for this class. This class will meet from 10:15 am-12:15 pm.

## **Social Studies**

**American Government** - Students will explore issues that frame debates in the American and international political forums. The issues will be associated with guiding principles of the American government, such as limited government, federalism, and checks and balances. In addition, the students will study the development and practices of political parties in the United States. As a culminating activity the student will compare and contrast our federal republic to fledgling governments around the world. The course will fulfill the 1/2 credit NH and Con Val requirement for government. This class will meet from 8:00 am-10:00 am.

**American Economics** - Students will evaluate economic concepts and theories that are being utilized to address evolving economic issues. Those issues will range from governmental involvement in the economy, market structures, global economics and comparative economic systems. As a culminating activity the student will construct a blog on economics for teenagers. The course will fulfill the 1/2 credit NH and Con Val requirement for economics. This class will meet 10:15 am-12:15 pm.

## **Science**

**Forensic Science** - This course is designed to be an introduction to forensic science techniques that are currently used in crime labs nationwide. We will use the technology available to us to investigate mock crime scenes, and prepare evidence as it would be prepared for a real courtroom case. In addition, you'll learn about the history of forensics and how it has rapidly evolved in the 21<sup>st</sup> century. This class will meet 8:00 am-10:00 am.

ALL INFORMATION MUST BE FILLED OUT IN ORDER FOR YOUR REGISTRATION TO BE ACCEPTED,  
INCLUDING CLASS LEVEL AND OR PART.

Name: \_\_\_\_\_

ConVal e-mail: \_\_\_\_\_

Grade: \_\_\_\_\_

School District: \_\_\_\_\_

Home Address: \_\_\_\_\_  
\_\_\_\_\_

Home Phone: \_\_\_\_\_

Cell Phone: \_\_\_\_\_

Parents/Legal Guardians: \_\_\_\_\_

Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

Con Val Students: \$50/course refundable deposit per course

Non-Con Val Students: \$150/course non-refundable deposit per course

Courses :

8:00 am-10:00 am \_\_\_\_\_

10:15 am-12:15 pm \_\_\_\_\_

Deposit Amount: \$ \_\_\_\_\_

School Counselor's Signature: \_\_\_\_\_

PLEASE MAKE CHECKS PAYABLE TO: **CONVAL SUMMER ACADEMY**

All registrations and deposits must be turned in at the Main Office before the start of the course. Seats are offered on a first-come, first-served basis. Register early to guarantee a spot.

Contact John Reitnauer, Summer Academy Coordinator at [jreitnauer@conval.edu](mailto:jreitnauer@conval.edu) or 924-3869 Ext. 3010 with questions.