

COMES To Loomis!

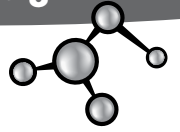
WE PROUDLY PRESENT SUMMER FUN WITH A BRAIN



ADVENTURE ENRICHMENT CAMP • For young people entering grades 2 - 8

WAKE UP YOUR SUMMER

with an assortment of fun and enriching classes. Our Adventure Enrichment Camp has something for everyone. Here's what you will find in **Loomis from 8:30 a.m. - 2 p.m. \$275 each.**



SESSION 1:

Loomis Grammar School
3505 Taylor Road, Loomis

June 17-21

• **Engineering Adventures and Simple Machines: Grades 2-3**

Campers will learn about contraptions, devices and apparatus, and how they all work. Then they will make their own Rube Goldberg machines.

• **Desktop Publishing and Presentations: Grades 5-8**

Students will learn the fundamentals of page design through the creation of a newsletter or mock magazine in MS Publisher 2010. They will also be introduced to Microsoft PowerPoint, as they learn how to create a simple presentation, create and edit slides, insert images and video, apply designs and transitions, work with views, and run a presentation slideshow.

• **Beginning Robotics: Grades 4-5**

Tap into imagination and technology! In this robotics adventure, campers will learn the science, design and construction of robots by building super cool, functional robots. Campers will test their software engineering skills by creating, building, testing and prototyping robots. They will explore real world engineering challenges facing today's scientists and designers and develop critical thinking and team-building skills. By the end of the week, robots will be using sensors and navigating mazes in fun and friendly competitions. Look out because robots will soon be roaming the campus!

June 24-28

• **Kitchen Cabinet Science and Eco Builders: Grades 2-3**

Have you ever wondered about the chemistry you find in your very own kitchen? In this camp we will be using household objects to explore chemistry, earth science and biology.

• **Beginning Robotics: Grades 6-8**

See camp description above.

• **Kitchen Cabinet Biology: Grades 4-5**

Have you ever wondered about the chemistry you find in your very own kitchen? In this camp we will be using household objects to explore chemistry, earth science and biology.

SESSION 2:

Del Oro High School
3301 Taylor Road, Loomis

July 8-12

• **Video Production Basics: Grades 5-8**

Students will script, storyboard, shoot, and edit a handful of short films as they learn the basics of video production. These basics will include the proper use of cameras, tripods, and lighting, basic shots and techniques, and nonlinear video editing using the industry standard Adobe Premiere Pro.

July 15-19

• **Aquaponics & Agriscience: Grades 5-8**

This week long class will highlight principles of agriscience using Del Oro High School's aquaponics system and school farm as the source of hands-on learning experiences. We will study agricultural commodities, innovative farming techniques, biotechnology and the economics of food production. The aquaponics system will be the source of understanding concepts about cells, ecology, photosynthesis and chemistry. We will be experimenting and gathering data about water quality, pH, and nutrients to problem solve and find the most effective areas in the system to grow food. Students will spend time inside the greenhouse and outside on the school farm as they gain a better understanding of the agriscience involved in food production.

• **Video and Television Production: Grades 5-8**

Students will practice basic video production techniques as they use the green screen studio and professional equipment at Del Oro High School (including cameras, tripods, teleprompters, and the Adobe Premiere Pro) to write, shoot, and edit a real news show. This will be an experience that students will not soon forget.



UC DAVIS
SCHOOL OF EDUCATION

SESSION 3:

Loomis Basin Charter/Franklin Elementary School
5438 Laird Road, Loomis

July 22-26

• **Art Camp 1: Grade 2-3**

Amazing animals: We will travel the world in search of interesting animals. From tropical birds to fish in the sea and even your kitty at home, there is no end to the creative fun we will have! We will use a multitude of art mediums to finish our masterpieces. Mediums: Watercolors, Markers, oil pastels, chalk pastel and more.

• **Rocketry and Astronomy: Grades 4-5**

Campers will model the enormous pressures used to launch satellites and men into space with their own Soda Bottle "Spacecraft" and launch pads and make solid-fuel rockets!

• **Video Production Made Easy: Grades 6-8**

Students will learn the basics of video camera use, shot composition, lighting, and basic video editing with iMovie. They will learn to evaluate proper video composition and technique as they create short films and news stories for a video podcast that will be published at the end of the course.

• **Advanced Robotics: Grades 4-6**

Building upon the experience in Beginning Robotics, this camp allows kids to take Bots to a whole new level of tinkering, designing, engineering and programming. By the end of the week, robots are using sensors and navigating mazes and fun and friendly competitions.

July 29 - August 2

• **Infinity and Beyond: Grades 2-3**

Campers will learn about the physics, chemistry, and evolution of the stars, our solar system and distant galaxies.

• **Art Camp 2: Grades 4-5**

World travel: The world is our oyster! People places and the animal kingdom will be our subject matter. We will use a variety of art mediums to create our masterpieces. Advanced art techniques will be implemented. Art mediums used: Watercolors, colored pencils, chalk pastel and more.

• **Google Apps and Web Publishing: Grades 6-8**

Students will learn to effectively use the suite of apps provided by Google to communicate, collaborate, and display works in progress as well as completed works. Students will be introduced to the cloud and will learn to navigate both safely and ethically in this environment to create or improve work. Students will also learn the basics of web design and web publishing and will use the Google sites tools to create a personal portfolio or website.

• **Advanced Robotics: Grades 5-8**

See camp description above.

The Loomis Union Elementary School District neither endorses nor sponsors the organization or activity represented in this document. The distribution of this material is provided as a community service.

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