

**CORAL ACADEMY OF SCIENCE LAS VEGAS CENTENNIAL HILLS  
2021-2022 MIDDLE SCHOOL ELECTIVE COURSES – SEMESTER 2**

**It is a choice!**

Coral Academy of Science Las Vegas (CASLV) believes that as the students work through their required academic studies they should be given opportunities to explore different areas of interest and enjoy subjects that are of their choice not necessarily imposed on them. For this very reason we are offering a variety of elective courses that will get attention from students of different interests.

**Elective Course Selection Process**

For the 2021-2022 academic year, all the elective course requests will be entered through an online form which will be posted on the school web site and emailed to the parents. The students are going to be placed in the elective courses on a first come first served basis. In the case that the first choice for an elective becomes unavailable we will look at your alternative choices.

Some electives might require additional conditions such as placement tests. If a student does not meet those conditions they will be moved to their next elective choice if available. Students will choose one elective. All the elective courses for the current school year are semester long electives. All students will select the elective for 2<sup>nd</sup> semester before the beginning of semester 2. **Students cannot select the same elective as in the first semester.**

**Changing Electives**

The students can switch to a different elective during the first two weeks of the second semester if another elective is available. For this, you will need to contact the assistant principal.

**About This Brochure**

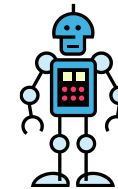
This brochure is designed to give a preliminary idea about the elective

courses we are offering. Further details about the courses and curriculum will be provided in the class. Please pay attention to the prerequisites and grade levels of the courses as you are making your choice.

**\*A student may be transferred out of an elective if pre-requisites are not met.**

**PLTW: AUTOMATION & ROBOTICS**

In this semester-long elective course, students will be exposed to the various daily uses of robots and automated functions within society. Students will be able to develop the conceptual understanding and explore mechanical systems, energy transfer, machine automation, and computer control systems. Students will grow their problem-solving skills by working on project-based challenges through the robotic design process.



**Grade Level:** 6, 7 & 8.

**Instructor:** Mr. Upton

**FORENSIC SCIENCE**

Forensics is a semesterlong investigative science and technology course. Using Scientific Inquiry Skills, students will learn how to



observe, collect, analyze and evaluate evidence found at crime scenes. The purpose of this course is to expose students to a variety of Forensic fields and careers.

**Grade Level:** 6, 7 & 8.

**Instructor:** Ms. Fallon

**GREEN CITY**



This is a research and construction project for the future. For this semester-long course be

prepared to roll up your sleeves, work hard, learn a lot, but have tons of fun doing so! We're going to walk through high-level concepts of what it takes to design and build a green city of the future. Students will be put into teams to: research a geographic location along with its natural resources, climatic activity and natural disasters. Once students have completed all the research requirements, they will map out their city design learning about scale, and finally build a model of their green city out of recycled materials (trash). This offers students the opportunity to learn how to research, gather and organize ideas, put together a visual proposal, along with modeling geared towards architecture and engineering. But we will also be touching on additional areas such as: geography, climate science, natural

disasters, economics and social factors, natural resources, sustainability, green architecture, green energy/generation, and various aspects of agricultural engineering. So come ready to work hard, but walk away with a whole new perspective on possibilities for cities of the future!

**Grade Level:** 6, 7 & 8.

**Instructor:** Mrs. Waits

### HOME ECONOMICS

In this **semester-long** course, students will be introduced to the fundamental concepts of sewing, cooking and baking.



We will explore elements of sewing, food and nutrition, theoretical food preparation and handling as well as the proper use of kitchen tools and equipment. We may explore other concepts such as personal development, & consumer decisions. Students in the course will also examine basic life skills which will prepare them to become contributing citizens of the community. By the completion of this course, students will be able to: identify & utilize basic sewing equipment and tools, identify and utilize basic kitchen appliances & tools, recognize the importance of food safety and sanitation

in the kitchen, apply kitchen and food safety techniques, and gain knowledge of the basic nutrients for each food group.

**Grade Level:** 6, 7 & 8.

**Instructor:** Ms. Calvaresi

### STUDENT SUCCESS SKILLS 2



Happiness is something we all want, and new research shows that happiness and well-being can be taught! Learn crucial life & success skills that go beyond academic learning! Build self-awareness, increase confidence, strengthen relationships, manage emotions, build collaboration, and improve problem-solving skills. Happier people tend to be healthier, more productive, more generous and kinder to others. They also learn more easily and enjoy life. Who doesn't want some of that? In this semester-long course students will learn these success and life skills.

**Grade Level:** 6, 7 & 8

**Instructor:** Mrs. Parker

### CREATIVE WRITING



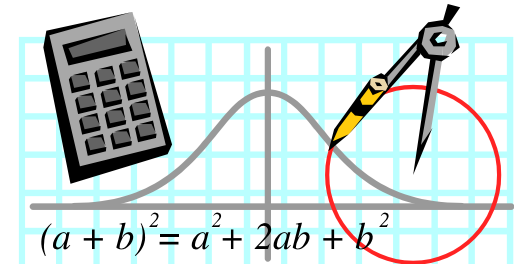
This **semester-long** course will focus on writing as creative expression. Students will have the opportunity to

explore several different types of writing and to fine-tune their own writing style. They will have the opportunity to work on a self-directed project, where they will work together with a small cohort and the teacher to bring a piece from concept to polished product. In addition to this they will participate in multiple writing competitions.

**Grade Level:** 6, 7 & 8.

**Instructor:** Ms. Henry

### A-STEM MATH



A-STEM (Advanced Science, Technology, Engineering, Math Program) aims to train student towards prestigious math competitions in regional, national and international levels. A-STEM's condensed training program helps students to develop their critical and analytical thinking skills while providing a challenging environment for them. This program may also involve weekend studies.

**Grade Level:** 6, 7 & 8

**Instructor:** Mr. Sterner

**Pre-requisites:** A Math Grade of B or Higher.

