

# Canyon Crest Academy: Exploring Computer Science

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Level of Difficulty	Estimated Homework	Prerequisites
<input checked="" type="checkbox"/> Moderate	0-30 minutes	<u>District</u>
<input type="checkbox"/> Difficult		None
<input type="checkbox"/> Very Difficult		<u>Department</u>
		None

## Course Description

This course will provide students with foundational knowledge of computer science. Students will explore topics in human computer interaction, web design, problem solving, programming, data modeling, and robotics. Throughout the course students will understand algorithm development related to computer applications and gain technical expertise using computational tools.

1. Unit Project: Human Computer Interaction
2. Unit Project: Problem Solving
3. Unit Project: Web Design
4. Unit Project: Programming
5. Unit Project: Data Modeling
6. Unit Project: Robotics

## Grading

Projects (40%), Participation (15%), and Lab Assignments & Quizzes (30%), Final Exam (15%).

## Syllabus Link

<http://cc.sduhsd.net/subsites/Michael-Remington/Exploring-Computer-Science/index.html>

## Supplemental Information

- 10 credits
- Meets high school graduation requirement for Practical Art or electives
- Meets CSU/UC subject area “g” requirement