

COURSE TITLE: Tech Explorations

Level of Difficulty	Estimated Homework	Prerequisites
Moderate.	0-30min	District: none Department Suggestion: none

Course Description:

Tech Explorations is an introductory course designed to provide students with a foundational understanding of coding, artificial intelligence (AI), 3D printing, cybersecurity and physical computing with robots. Through a series of interactive modules, students will embark on an exploration of these cutting-edge technologies, gaining hands-on experience and practical skills. By the end of the course, students will have used the software development process and fundamental programming constructs to design apps, create 3D prints, develop games, use data to solve problems, and program interactions with the physical world through a variety of sensors and hardware and robots. This course is only available to students enrolled in the DATA academy.

Grading:

Student's grades are based on total points from in class assignments and projects

Supplemental Information:

UC subject area "g"