

Unit	Time Frame	Unit Name	Knowledge and Skills
1	1st Six Weeks	FIRST Tech Challenge Values and Introduction to the Competition/ Future Cities	- Demonstrate teamwork through helping each other - Explore new skills and ideas to solve problems
2	2nd Six Weeks	FIRST Tech Challenge Programming, Concept Design and Build/ Future Cities	- Solve and apply previous robotics knowledge to create a robot to complete specific challenges - Apply previous robotics knowledge to program a robot to complete specific challenges
3	3rd Six Weeks	FIRST Tech Challenge Innovation Project/ Future Cities	- Identify a problem and research/develop an innovative solution to the real-world problem - Create an entertaining presentation of research solution
4	4th Six Weeks	FIRST Tech Challenge Competition/ Future Cities	Students will use the skills, programs, and information gathered to compete in FIRST Lego League competition
5	5th Six Weeks	Programming/Coding	Students will be allowed to complete self-paced Computer Science/ coding courses that are adapted to students' current coding level
6	5th Six Weeks	Drone Introduction	- Students will be introduced to FAA Drone Safety Regulation. - Students will use Droneblocks to program a series of commands.
7	5th Six Weeks	3D Printing and Design	- Know how to manipulate simple shapes using tinkercad.com - Understand how 3D printers work
8	6th Six Weeks	RC Cars (Tentatively)	Students will be introduced to RC cars to show engineering skills
9	6th Six Weeks	Podcasting	Students will create a podcast over a topic of their choice