Unit	Time Frame	Unit Name	Knowledge and Skills
1	*1st Six Weeks*	**FIRST Lego League Core 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 Lego League 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 Lego League 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 Lego League 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