

Manufacturing			
Grade Level	Course Name	Number of Periods	Course Highlights
9,10,11	Maker 1: Pre-Engineering	1	• Bridges Forces & Structures • Drone Flying • Vex Robotics • Measurement & CAD Introduction
10,11	Maker 2: Designing and Making with Tools	1	• Making things with Power Tools • Traditional Trebuchet • Fusion 360 & Decorations Making • Build a Wall • Skateboard Making & Designing
11	Maker 3: Machining	1	• Making things with CNC Mills & Lathes • Adv. Trebuchet design and build • Fusion 360 & Community Product Manufacture • Fusion 360 Design and CNC Build and Grow Kits • Fusion 360 Design and build products for sale
11,12	Maker 4: Advanced Making	1	• Making Things • Getting Work Ready • Start apprenticeship or job placement

- ★ Preference is to complete Maker 2 before Maker 3
- ★ Juniors in Maker 4 must have Maker 3
- ★ All seniors go to Maker 4