

## 2020 SYLLABUS



\*Note: All meetings will be held virtually through Zoom.

Date & Time	Class Description
Thursday, October 1 5:30pm – 6:30pm	<b>Virtual Open House</b> – Parents and students are welcome to attend this brief overview of the program.
Thursday, October 8 4:30pm – 5:30pm	<b>Meeting #1 – Understanding Construction Documents</b>  <b>Assignment</b> – Draw a floor plan of your room, including furniture, doors, windows, etc. Bonus points for dimensions!
Thursday, October 15 4:30pm – 5:30pm	<b>Meeting #2 – Architectural Drawings &amp; Computer Tools</b>  <b>Assignment</b> – One-point perspective sketch OR download any of the programs mentioned and create a 3D model for a child’s playhouse
Thursday, October 22 4:30pm – 5:30pm	<b>Meeting #3 – Structural Engineering</b>  <b>Assignment</b> – Build a structure using only a deck of cards. How tall can you go?
Thursday, October 29 4:30pm – 5:30pm	<b>Meeting #4 – Engineering Technology / MEP Engineering</b>  <b>Assignment</b> – Find examples of mechanical, electrical, and plumbing systems in your home and take photos.
Thursday, November 5 4:30pm – 5:30pm	<b>Meeting #5 – Civil Engineering / Landscape Architecture</b>  <b>Assignment</b> – Take a photo of a landscape design that you find appealing and tell us why OR draw your own landscape plan for a school playground.
Thursday, November 12 4:30pm – 5:30pm	<b>Meeting #6 – Personality Styles &amp; Working as a Team</b>  <b>Assignment</b> – What are the strengths and weaknesses of your personality type? What things do you have to keep in mind when working with others?
Thursday, November 19 4:30pm – 5:30pm	<b>Meeting #7 – Intro to Construction Trades</b>
Thursday, December 3 4:30pm – 5:30pm	<b>Meeting #8 – Sustainable Design</b>  <b>Assignment</b> – Sketch one sustainable building system that you could add to your house.
Thursday, December 10 4:30pm – 5:30pm	<b>Meeting #9 – Construction Site Tour (virtual)</b>
Thursday, December 17 4:30pm – 5:30pm	<b>Meeting #10 – Essay Writing / College Preparedness</b>  <b>Assignment</b> – Answer short-answer essay questions for scholarship submission.