

Read Me Before you plan your Scope and Sequence

Because of the nature of engineering classes, and especially the materials you will need for multiple grade levels, PLEASE CUSTOMIZE your own scope and sequence to make your life easier.

- Multipurpose self reflection to promote writing
- Becca Clark's Example Scope and Sequence for Applied Engineering
 - Semester 1 (all units take about 15 days to complete unless otherwise noted)
 - First Three Days
 - Toolbox: Design and Measurement (Triangle Peg Game)
10+-days
 - Tech Drawing (6-7 days)
 - Lesson
 - Challenge
 - Mousetrap Car (Design Process and Simple Machines)
 -  Clark Unit 2 Mousetrap Cars Pt. 1
 -  Clark Mousetrap Cars Pt 2
 -  Clark Unit 2 Mousetrap Cars pt. 3
 - Everfi: Keys to Your Future (5 days)
 - https://platform.everfi.net/teacher/content/53?show_action_button=true&slug=catalog
 - Bridges
 - Electronics
 - Part 1
 - Part 2
 - How to Make Circuits with Holiday Lights
 - Hovercrafts
 - Semester 2 (all units take about 15 days to complete unless otherwise noted)
 - Onboarding
 - Toolbox lessons (10 days)
 - Safety and  Clark Technical Drawing Challenge (5days)
 - Cardboard Arcade/Simple Machines/Design Process

- [Flight](#) (25-30 days)
 - Hot Air Balloons (aim for February/ March)
 - Power Pole Planes
- [Birdhouses](#)
 - This is not a county wide initiative, but I do this with our school and it is widely popular. It usually coincides with Earth Day/right before Mother's Day. We use it to promote conservation.
- [Air Powered Racers](#)
- [Architecture Unit](#) (no tech/low tech)
 - [Tiny House Building](#) (no tech option- additional resource) (5 days)
 - <https://www.teacherspayteachers.com/Product/Build-A-Tiny-House-Project-Based-Learning-for-Geometry-and-Math-2801364>
 - I bought my license for this lesson from the above. Hook another teacher up and buy the license.

Need help with projects? Check out my AMAZING Youtube channel!
<https://www.youtube.com/@clarkieCTE>