

CHCA Intercession 2025

January 6-17, 2025

Course Name: **What you MAKE of it**

Instructor(s): **Mr. Cool & Mr. Easley**

Course Type: **Local Day (Greater Cinti Area)**

Service Hours: **0**

Maximum enrollment: **24**

Minimum enrollment: **15**

Cost: **\$150**

+materials depending on scope of project

Overview:

Welcome to "What you MAKE of it"! This course is designed to help you turn your ideas/inventions into reality through engineering. Whether you're envisioning riding a self-made hovercraft or creating a science exhibit for kids, we'll guide you through each step. From research to design, planning, building, and testing, we're here to support you in bringing your concepts to life. Get ready to explore the endless possibilities of engineering and see what you can MAKE of it!

Course Goals:

The goal is for students to experience using the engineering/design process to build something they want to create.

Writing Component:

- Detailed plan
- Materials list
- Daily pacing log
- Reflection on the final product

Description: Students will meet every day, working with their team to pursue one of the following:

- Creation of an object or interactive display of their own design that demonstrates principle(s) of STEM
- develop a device that solves a problem or addresses a need
- Other options as pre-approved by instructors

NOTE: Students have the option of earning service hours by connecting with an organization or ministry to create and donate something that meets a need they have (i.e. they arrange to make a playset that will be used by children staying in a local shelter). For students who choose to do this, all time spent designing and building the object will be counted as service hours. (Total number of service hours will vary depending on the scope of the work.)

This course is well suited to:

Students who have an idea for something they want to create.
Students who are (or think they might be) interested in engineering.

Cost: \$150

This may vary significantly based on the project students choose to take on.

Additional costs:

Depending on the project, students may be able to source materials from other places.

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Other Information:

Projects will be completed in small groups and will be determined prior to the beginning of intersession. Instructors will work with students to help them form a group around a project they are all interested in and that will fit within time, safety, and budgetary constraints. While we will make every effort to have students working on something they are excited about, this process may require some flexibility.

NOTE: In the course of creating their projects students will very likely be working with tools. Please do not select this course if you are not comfortable with your student using power tools.

Final version saved 03.20.24