



Class Title: BLUE/ORANGE Ancient Civilization STEM

Teacher Name: Candice Braun

Class Day: Monday

Class Size: 18

Class Cost: \$20

Ages or color group served: Blue & Orange

What level is this class: Level 2

Prerequisites: N/A

Graduation Requirements: N/A

Homework Requirements: There may be parts of the projects the students need &/or want to do at home.

Class Description:

Targeted skills: collaboration strategies, group communication, workload management and distribution, critical thinking, engineering, and more.

In this class students will learn a little about (2) ancient civilizations, Mesoamerica and Mesopotamia, while completing STEM projects. Students will be working either as a small

group or with a partner depending on class numbers and projects. They will create a challenge and after talk about the different struggles and problem solving techniques that took place to complete the challenge.

Since starting these heavier engineering projects we have noticed a need for teaching students how to appropriately navigate the group work dynamic. For that reason, the Fall 2024 semester will dive deeper into learning how to work and communicate as a



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group, share ideas, go over strategies to help with teammate hardships, navigate skill/age gaps appropriately, etc.

Things to note:

- A folder or binder will be required for this class in order to keep the papers organized since we will be covering one topic multiple weeks.
- Projects will go home with a group member each week and they are expected to bring the project back the following week.
- A couple projects from the semester will be chosen for display purposes at graduation.

Week 1:

Introductions, Class Expectations & Procedures

Start Mesopotamia: Ziggurat Marble Run

Week 2:

Mesopotamia: Ziggurat Marble Run

Week 3:

Mesopotamia: Ziggurat Marble Run

Week 4:

Mesopotamia: Cuneiform Coding

Week 5:

Mesopotamia: Cuneiform Coding

Week 6:

Mesopotamia: Cuneiform Coding

Week 7:

Mesoamerica: Floating Garden

Week 8:



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Mesoamerica: Floating Garden

Week 9:

Mesoamerica: Floating Garden

Week 10:

Mesoamerica: Aztec Calendar Coding

Week 11:

Mesoamerica: Aztec Calendar Coding

Week 12:

Mesoamerica: Aztec Calendar Coding