

GET INTO GEAR

Creating kinetic art to evoke empathy

Driving Question

How can we create a mechanical representation to elicit empathy about injustices experienced by groups of people throughout history?

Essential Skills

ESK 3 I can predict the motion of any object using Newton's Laws.

ESK 4 I can calculate the rate at which gears will move using gear ratios

Project Description

Students will be creating a gears based machine which can symbolically represent an important quote from *Claudette Colvin* or other readings. In pairs, you will use a complex system of gears to create a motion that can elicit empathy towards the meaning in the quote. Through research and multiple prototypes, each group will create a set of gears using the laser cutter and Adobe Illustrator. To show the connections within the class, each group will be assigned to a larger system in which they need to find connections to the center gear, and neighboring systems.

Deliverables & Timeline

Care

Quote and explanation due 11/1-2

Conceptualize

Research presentation on gear type 10/25-26

Create

Prototype & Sketch due

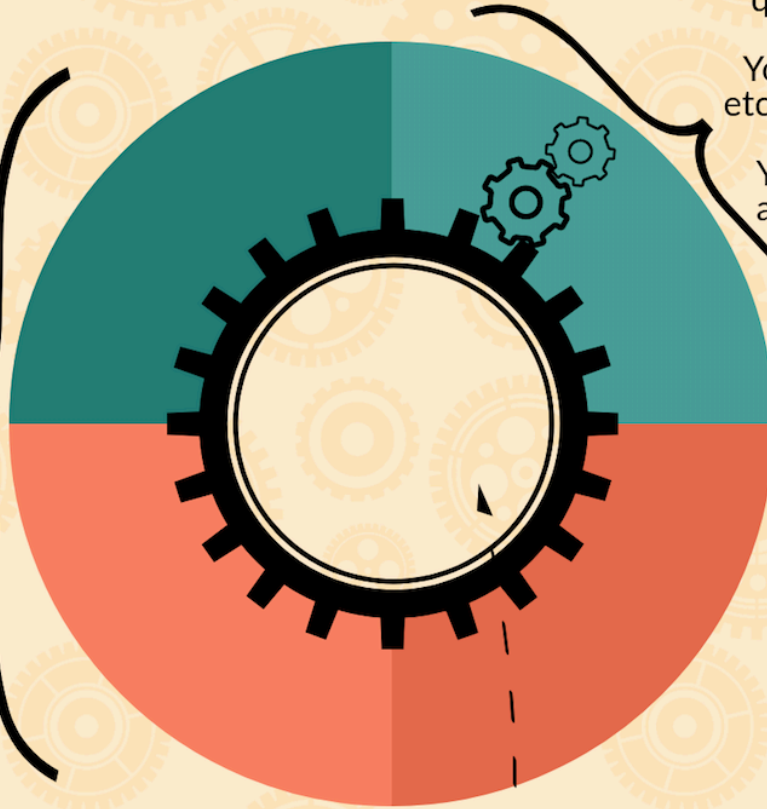
11/8-9

Critique

Final Draft Due/Exhibition
Maker Faire

11/16
12/2

Your pair will collaborate with another pair to make your two pieces interact in some way.



In a pair, you will pick a quote as the basis of your symbolism. You must have your quote etched somewhere on your section. Your section must include at least 2 unique gears. At least one must connect back to the center.

All pairs must connect their piece back to the center gear. On the center gear will be a group Mandala created in Art class.