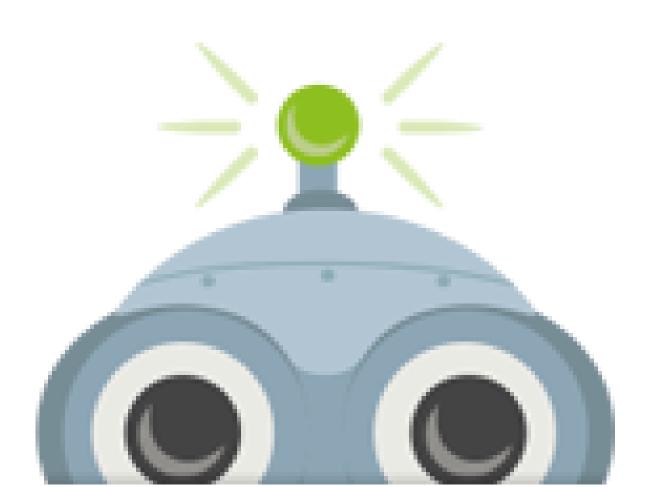
ROBOTS UNITONE



DAY ONE



INTRODUCTION

Access prior knowledge with videos and books

Discuss range of robot jobs & abilities

Determine how students feel about

Robots, ex. trust vs distrust

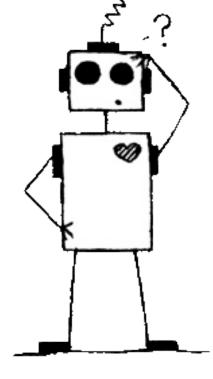


I, ROBOT

 Discuss robot and humans' ability (or lack of ability) to read each other

Begin to explore history of robots & where the

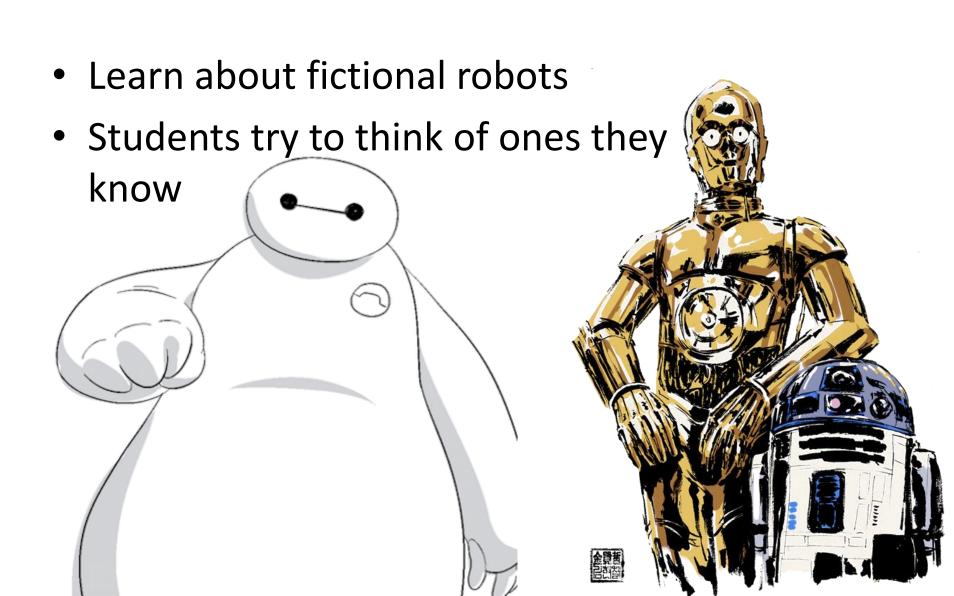
word itself began



WHERE IT ALL BEGAN



ANDROID DREAMS



TALOS

Learn the myth of Talos, the first robot in

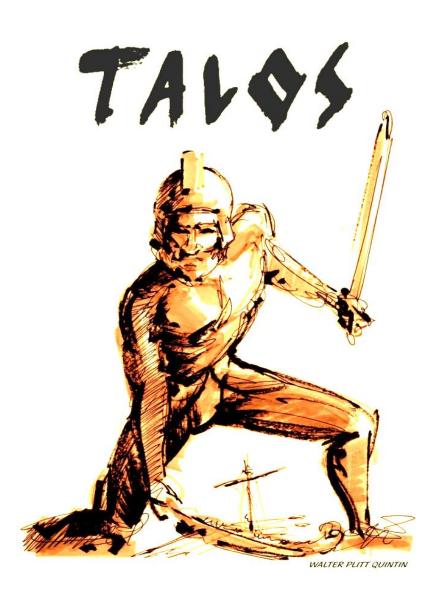
history

• Students write & illustrate

their own myths.

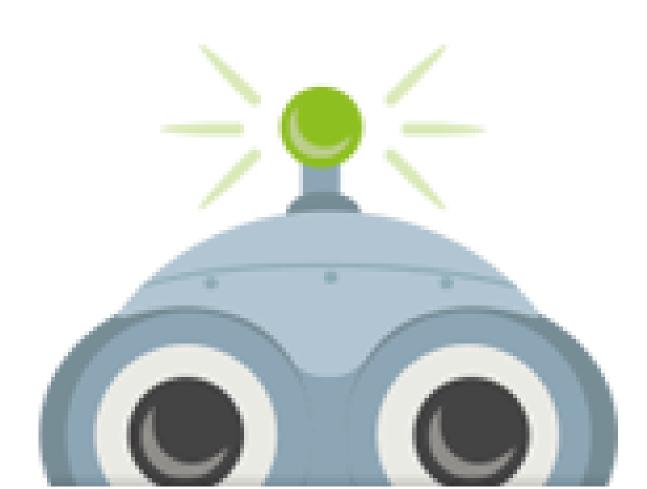


TALOS' ISLAND



Finish up with a fun game of Talos' tag to reinforce the concepts learned in the myth.

DAY TWO



WHIM-AGINATION

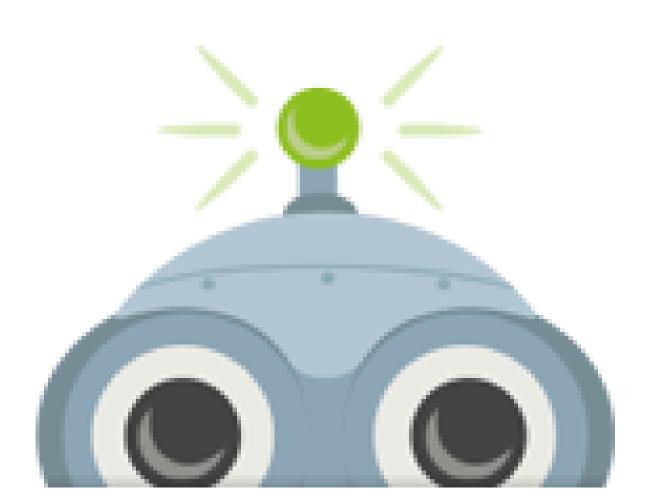
Students are inspired to come up with a solution to a problem.

A robotic solution.

Then illustrate it through paint, name it, and explain how it solves the problem.



DAY THREE



MR. ROBOT? OH!

- Explore just what makes a robot a robot.
- Determine how many robots students think they deal with daily
- Discuss whether they agree with the Sense,
 Think, Act theory



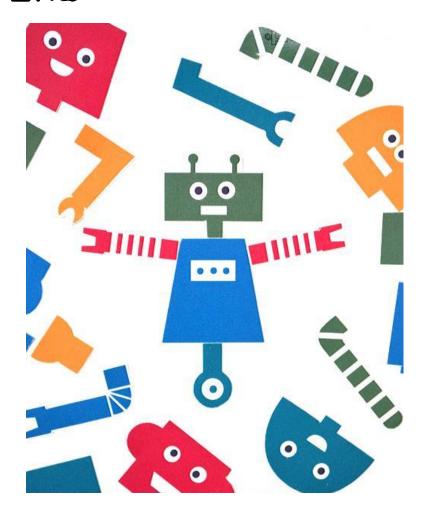
ROBOT, OR NOT?

 Go on a fun scavenger hunt (and follow the flow-chart) to determine just how many robots are around!

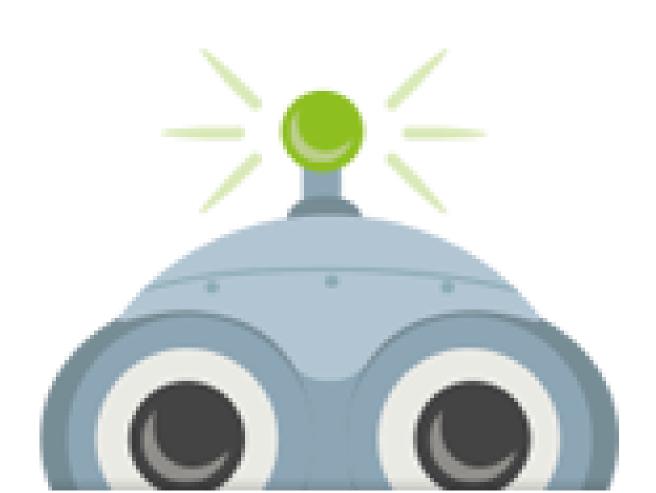
 Track data and see if everyone agrees whether something is a robot...or not.

ASSEMBLE!: ROBOT PROBLEM SOLVERS

Student teams race to create their own robots out of parts in this fun 'hangman' style math skills practice game.



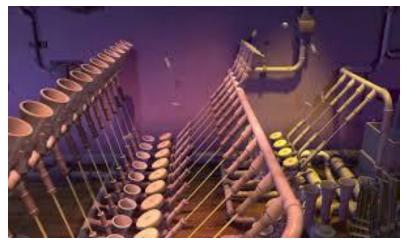
DAYS FOUR THROUGH EIGHT



BETWEEN THE GREEKS AND THE GEEKS: AUTOMATONS

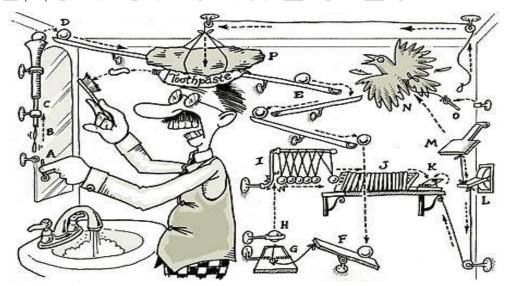
 Explore the evolution of robots from ancient Greek inventions to automatons in the Middle Ages.

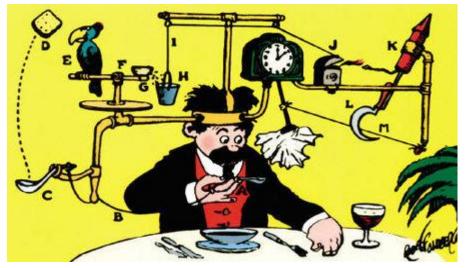
Watch Pipe Dreams: a modern form of 'automaton.' [Voted one of the 50 best 3D animation projects ever. Most of the other winners were big-budget movies (The Matrix, Toy Story, Star Wars) and a few video/computer games (Doom, Tomb Raider, Myst).]
And see how it was made into a real world version by intel.



CHAIN REACTION: RUBE GOLDBERG PROJECT—CREATIVITY IN MOTION

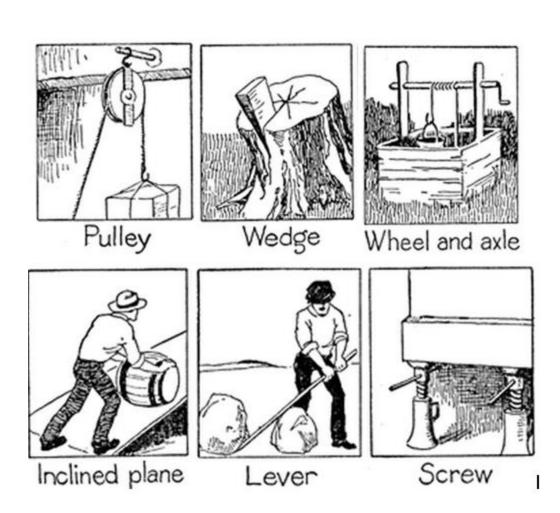
- Learn about who Rube Goldberg was
- Explore his cartoons and ideas





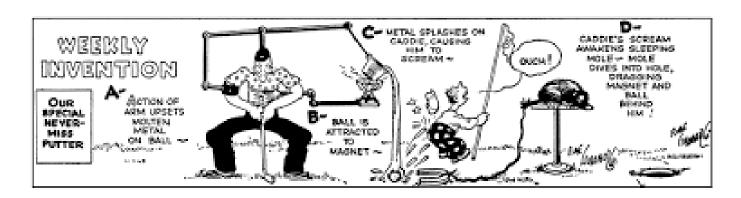
SIX MACHINES TO DO IT ALL, SIX MACHINES TO BIND THEM

Explore the six simple machines, how they work, and make sample models of them.



THAT'S SO RUBE OF YOU!

- Now that we know about simple machines, let's combine a few into something new, a complex machine (several simple machines working together)!
- Get inspiration from videos and Rube Goldberg's illustrations



THATS SO RUBE OF YOU!

And then students work (individually or in teams) to follow the engineering design process create their own Rube Goldberg style machine to solve a specified problem.

