

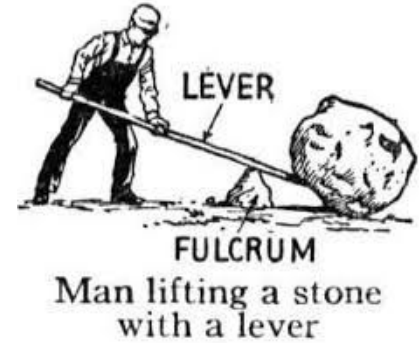
# STEM Guyana Lesson Plan 2

11/3/18

**Good morning students!**

**Today's themes are:**  
Principles of a lever & The  
Use of Weights and Pulleys!

*Read p.26 out loud with a partner!*



# More about levers!

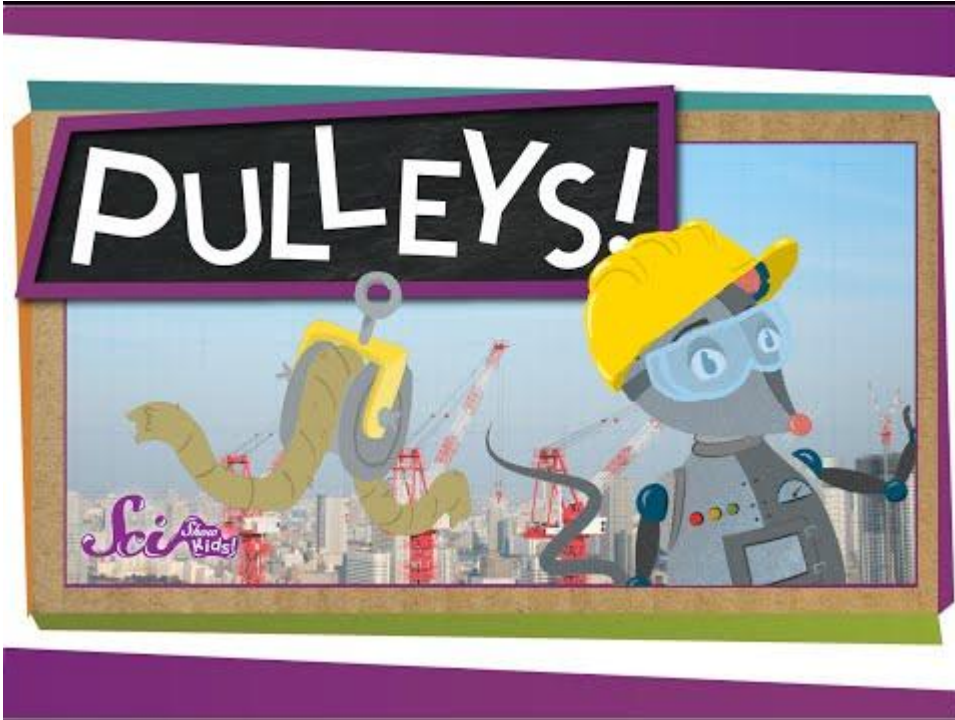


## What do you remember from about levers?

- What is 1 example of a lever in real life?
- What can a lever be used to do?
- What are the parts of a lever?
- What is a lever classified as?

# Weights and Pulleys!

*Read p.31 out loud with a partner*



- What do you call the thing that's being lifted?
- Why are pulleys helpful?
- What are pulleys classified as?
- What are the parts of a pulley?
- What are some real-life pulleys?

# LET'S GET TO WORK!

## 3 Groups

- Scratch Programming Team
- Robotics Team
- Reading Group



# Scratch Programming Team -- Levers or Pulleys

- Create a Scratch Animation that shows something you learned today about levers or pulleys!
- You can
  - Create a voice recording explaining the concept
  - Create a comic where your sprites are talking about levers or pulleys
  - Research and Create an animation about real-life levers or pulleys
  - **Anything! As long as it includes something you learned today**
- Ask anyone on the STEM Team if you need help!

## Robotics Team -- Build any robot from MRT3-1!

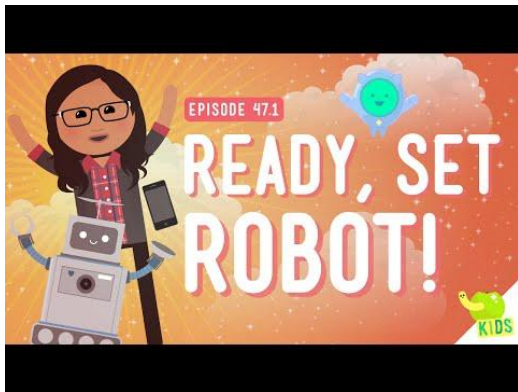
- Make robot #1 on Pg. 32-- Discuss its shape!
- Make Drummer Boy Baby Bear *p.73, orange book \*uses pulleys for the arms!\**
- OR Mini Tank (blue book) *\*uses pulleys for the drive feature\**
- *More examples of pulleys: scissors, elevator, “wheels spinning wheels” or tank drive*



# Khan Academy Team

Begin Practicing Math Subject on the Khan Academy App -- Ask anyone on the STEM Team If you need help and let us know when you start a new lesson, and if you need any help.

Once you've practiced with that you can do "The Robot Challenge" on Crash Course Kids -- Just let someone on the STEM team know!



## SWAP

Now it's time to swap teams everyone! Break down your robots and clear your Scratch programs!