



THE POWER OF A RUBBER BAND

MONDAY TURNED INTO A WEIRD DAY. CAN YOU CREATE THE PROPER
TOOLS TO TRAVEL THE GREATEST DISTANCE?

LESSON OBJECTIVE

- Today our objective is to design and build a vehicle where one source of power is a rubber band. You will have to design, build, test and redesign your creation in order to create the highest level of success. You know you are successful if by the end of our lesson you have a mobile vehicle.



SCENARIO

No, this is not a super large mouse, you just had a very weird science class. You were sleeping on your desk as usual. Your boring teacher Mr. Baker was blabbing on about simple machines or some sort of non-sense. However, when you woke up, you felt different. The room felt like it grew to gigantic sizes. You were sitting in a seat that felt like it was meant for a giant. Well the rest of your day got extremely difficult.



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YOU REALIZE YOU CANNOT STAY AT SCHOOL YOU KNOW HOW CROWDED THE HALLWAYS GET. YOU GET A PLAN TO BUILD A VEHICLE TO TRANSPORT YOU AS FAR DOWN THE HALLWAY AS QUICK AS POSSIBLE SO YOU CAN SNEAK OUT THE SIDE DOORS. YOU KNOW THERE ARE A WHOLE BUNCH OF SCIENCE MATERIALS IN THE CORNER OF MR. BAKER'S CLASS.

TASK

- Create a design for your vehicle with labelled parts for what materials you will need.
- Get design approved
- Begin building, testing, redesign process
- Your vehicle needs to move both far and fast

DESIGN

- Your design needs to have:
- Clear image of your vehicle
- Labelled parts showing what materials you need
- Organized list of material list
- Power source needs to be drawn

Materials you are given:

- popsicle sticks
- tooth picks
- skewers
- rubber bands
- Ziplock storage bag

You can also bring supplies from home or use or supply storage on the side of the class