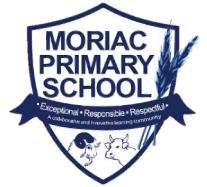


Activity 2: Scavenger Hunt



This activity provides exposure to simple machines, which are the foundation of tools used in physics and engineering to multiply force. In the scavenger hunt, students are asked to find items that represent the list of tools commonly used in STEM fields. A thorough understanding of each tool is needed to be able to recognise the item around them or to come up with something that could symbolise the object.

Scavenger Hunt Items

1. Measuring cup/Beaker—a container used to measure liquids or contain fluids for laboratory use
2. Goggles—eyewear used to protect the eyes
3. Thermometer—a device used to measure temperature
4. Magnet—a piece of metal that attracts other metals
5. Calculator—a small device used to make mathematical calculations
6. Phone—a device that transmits sound over a distance using wire or radio
7. Pencil—an erasable writing utensil
8. Notebook/Journal—a bound book for note-taking and keeping records
9. Pulley—a wheel with a cord wrapped around it that acts to change the direction of a force applied to the cord and is used to raise heavy objects
10. Lever—a rigid bar resting on a pivot, used to help move a heavy or fixed object with one end when force is applied to the other end
11. Wedge—a piece of wood, metal, or other material having one thick end and tapering to a thin edge, that is driven between two objects or parts of an object to secure or separate them
12. Wheel and Axle—a simple lifting machine consisting of a wheel on a rod, called an axle, used to help move loads
13. Inclined Plane—a sloping ramp up which heavy loads can be raised by ropes or chains
14. Screw—a short, slender, sharp-pointed metal pin with a raised helical thread running around it and a slotted head, used to join things together by being rotated so that it pierces wood or other material

Method

- Take a photo or video of yourself with each item.
- Create a Collage of all of your images – try and get all 14 pictures on the same page.

Once you have made your movie place it in this google folder
https://drive.google.com/drive/folders/16cl1v2lld4415YPA_bH7S8oLNt9fi52
Ensure you include your name in the file name

- For this activity we will choose 2 random entrants to receive a prize
- Prize 1 – Sphero Mini
 - Prize 2 - Hey Clay Aliens

