

Name: _____

Date: _____

Wheels & Levers

Pre-Assessment: Building Devices With Simple Machines

Four Corners: What Do I Know?

Before learning more about how bicycles, simple machines, wheels, and levers work, think about what you already know. Read the following four questions. Then, in each corner, list everything you know related to the question.

If you cannot answer these questions, do not worry! At the end of this unit, you will return to these four corners to write what you have learned.

What simple machines do I know?	What things in my life are simple machines or have simple machines in them?
How do wheels and axles work?	How do levers work?

Need a Hint?

- Think carefully about machines, tools, or toys you may have used that make jobs easier or makes moving easier.
- Look around your home, perhaps in your kitchen, or your toys. Do you see anything that rolls or pivots?
- Look closely at something with a wheel and axle, such as a bicycle or rolling toy. How do the wheel and axle work together?
- Perhaps you have seen levers such as a teeter-totter at a playground. Or, maybe you have used a flat screwdriver to pry open a can of paint. How do these things work to get the job done?