Building Devices with Simple Machines Checklist

Essential Question: How do simple machines work to build devices that make working and moving easier?

Checklist

Use this checklist to track your activities and assessments for Building Devices with Simple Machines Unit as you complete them.

What are simple machines, and how do they make work easier?

- **What advantage do I get from using a lever?**
  - ❑ Observe: Making a Lever Work for You
  - ❑ Discover: Identifying and Building Levers
  - ❑ Exit Pass
- **How do wheels and rollers help move things from place to place?**
  - ❑ Discover: Cat in a Box
  - ❑ Exit Pass
- **What role do wheel and axle systems have in moving vehicles and devices?**
  - ❑ Discover: Sorting Simple Machine Systems
  - ❑ Discover: Building with Chains and Gears
  - ❑ Discover: Moving Vehicles with Gear Systems
  - ❑ Exit Pass
  - ❑ Self-Assessment: What are simple machines, and how do they manage to make work easier?
  - ❑ Assessment 1: Your Rube Goldberg Machine Poster

How can I build machines so they move the way I want?

- **How can force be used to move a vehicle?**

❑ Observe: What is Forcing that Vehicle or Device?
❑ Exit Pass

- **How can you build a machine or device that moves on its own?**
  - ❑ Discover: Building a Device or Vehicle that Can Power Itself
  - ❑ Exit Pass
- **What is needed to design a safe vehicle?**
  - ❑ Discover: Are Modern Vehicles Becoming too Complicated?
  - ❑ Exit Pass
- **How can ideas be shared and designs be compared to build the best moving device possible?**
  - ❑ Discover: Team Building a Vehicle
  - ❑ Exit Pass
  - ❑ Self-Assessment: How can I build machines so they move the way I want?
  - ❑ Assessment 2: Elastic-Powered Toy Vehicles
  - ❑ Final Assessment: Using Simple Machines to Build Devices that Move

If you have

- **not** submitted the assessments, please do so now.

If you have completed all activities, you can go on to another unit of your choice.

Congratulations!