

Name: _____

Wheels & Levers

Date: _____

How Do Wheels and Rollers Help Move Things From Place to Place?



Discover: Cat in a Box

Question

How can I make moving heavy materials easier?

Resources

Access the website links from the online course.

- Webpage: Invention of the Wheel
- Cardboard box, K'nex toy construction kit (or similar type of kit)
- Common household materials depending on your solution
- Digital camera

Instructions

- 1 Visit the webpage **Invention of the Wheel**. Read all the information on the webpage carefully to learn more about how humans have used rollers and wheels to make work easier.
- 2 Decide on a solution to the cat-in-a-box problem. Your solution should provide an easier way to move the cat in the box across the floor. Whatever your solution is, be sure it will be safe for the cat!
- 3 If you have a toy construction kit, build a model of your cat-in-a-box solution. If you do not have a toy construction kit, you can use any household materials to build a model cat-in-a-box solution. If you use household materials, always keep safety in mind.
- 4 Take a digital photo of your cat-in-a-box solution for sharing later. Write an explanation of exactly how your cat-in-a-box solution is built and how it works to make pulling a cat in a box easier on the **Chart** located on the following page. If you do not have a digital camera, describe with words the cat-in-a-box solution you built.



Skill Builder

How to construct a diagram in Google Docs.

If you need to use this Skill Builder, access it from the online course.

Cat-in-a-Box Image (attach image)	Explanation