**Change Your Car Tire & Intro to Lift Mechanisms**

Essential Questions: How do I change my car tire? How does changing a car tire differ from changing a bike tire?

Discipline: Living on Your Own

Goal: Identify key components of transportation systems used daily. Understand the process of changing a car tire.

Create an emergency car breakdown kit or identify current car emergency kit and manual.

Level: Basic to Intermediate

Time: 30 - 40 minutes

Video Links:

1. General Tire Changing Video with Scissor Jack:

<https://www.youtube.com/watch?v=joBmbh0AGSQ>

2. General Bike Tire Changing Video: <https://www.youtube.com/watch?v=FzqjoFAXA5I&feature=youtu.be>

3. Teacher specific with Hydraulic Jack:

Teacher add your personal link here.

**Activity Procedures**

1. Watch the 3-video links above.
2. After watching the videos, do you need to change a bike tire or car tire? If so, have an adult help you. Safety must be advised with your parent/guardian.
3. Emergency Kit: Complete one of the following two items
   1. Locate your emergency car kit: Most cars come with a spare tire, tools to change a spare, jack (lift), and manual. Locate these things and go over the key components with an adult or owner/drivers of the vehicle.
   2. If you are familiar with everything in option a, then do some virtual shopping to buy what you want for your car or truck. You get $100 to spend and it must be emergency / vehicle functionality related. Your items cannot be solely cosmetic. Please complete a simple table like the one on the next page with the information on the products you choose to purchase.

Enjoy the process of learning a valuable skill that will help in an emergency.

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| **Item w/ Link** | **Improvement/Functionality** | **Price** |
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|  | **Total Price:** |  |