

Take a Walk on the Wild Side
8th Grade
Curriculum Standards
William P. Ridley 4-H Center

Codes: **NGSS/TASS:**

MS-PS2 Motion/ Stability: Forces/ Interaction

- Chemistry in the Kitchen
 - Magic Jar
 - Chemical Skittles
 - Egg Float
 - Coke Explosions
- Team Building
 - Energy Stick
 - Rings on Rings
 - Whale Watch Balance
 - Nitro Crossing
 - Wild Woozy Wires
 - Meat Grinder Roll
- Slinky Study
- Zip line
- Rockets

MS- PS4 Waves/ Applications in Technology for information transfer

- GPS- Faces

MS-LS2-1 From Molecules to Organisms: Structure/Processes

- Wildlife
- Lichens Exploration
- Virtual Creatures

MS-LS2-2 Ecosystems: Interactions, Energy, Dynamics

- Lichens Exploration
- Energy
- Wildlife

MS-LS4 Biological Change: Unity/ Diversity

- Earth Science- Fossils Hunt/ What do I now know?
- Aquatic Studies- Don't Drink the Water
- Entomology- I Ate What?
- Build a Beaver

MS-ESS1 Earth's Place in the Universe

- Rotating & Revolving

MS- ESS2 Earth's System

- Earth Science
 - Plate Technologies
 - Mineral Testing
 - Natural Disasters- History Repeats
 - Earthquakes Trays

MS-ESS3 Earth/ Human Activity

- Earth Science
 - Homemade Volcanoes
 - Earthquakes
 - Plate Interactions to “Snickers” at
 - Mohs’s Mineral Testing
 - Excavating Challenge
 - Biodiversity

MS-ETS1 Engineering Design.

- Special Activities (Rockets, Angry birds, Egg drop, coat hangers)
- G.P.S. Mapping
- Tools of the Trade