

4th Grade Links - Webster Stanley Elementary School

Science:

The Birth of Rocks: Rock cycle, erosion, & natural hazards

Mystery 1: Could a volcano pop up where you live?

- [Paricutin](#)
- [Salton Sea](#)
- [What is a volcano?](#)
- [Top 10 Famous Volcanoes](#)
- [Top 10 Beautiful Volcanoes](#)
- [Top 10 Active Volcanoes](#)
- [Ask a Geologist](#)

Mystery 2: Why do some volcanoes explode?

- [Molten Paradise "Kilauea Volcano"](#)
- [Hot Lava](#)
- [Lava Experiments](#)

Mystery 3: Will a Mountain last forever?

- [video from Yosemite National Park](#)
- [2,500 Tons of Rock Fell Off Half Dome](#)

Mystery 4: How can you survive a landslide?

- [Making Landslides](#)
- [Slow motion landslide](#)
- Landslide stoppers!
 - [Machu Picchu](#)
 - [Rockfall Barrier](#)
 - [Rock Shed](#)
 - [Soccer ball house](#)

Energizing

Everything: Energy, Motion,

& Electricity

["This Too Shall Pass."](#)

Mystery 1: How is your body similar to a car?

- [First Airplane Engine](#)
- [Energy Scavenger Hunt](#)
- [Food for Action](#)
- [A funny looking car for a weird race](#)
- [Food is Fuel](#)
- [Energize your writing](#)
- [Balloon powered cars](#)

Mystery 2: What makes roller coasters go so fast?

- [What goes up must come down](#)
- [People-Powered theme park](#)
- [Roller Coaster designer](#)

Social Studies:

- [Lower Skills Social Studies](#)

Geography & Map Skills:

- [Mr. Nussbaum Geography](#)
- [Continents & Oceans: Hemispheres](#)
- [Latitude & Longitude Map Match Game](#)
- [Latitude & Longitude Map Skills](#)
- [MapZone](#)
- [National Geographic Kids Copycat Game](#)
- [World Continents & Oceans - Tutorial](#)
- [World Geography Interactive Maps](#)
- [Wisconsin landforms](#)
- [Serious Science:The Driftless area](#)
- [Creation of the Great Lakes](#)
- [Glacial Features](#)
- [Indian Mounds](#)
- [Maps: Our Windows On the World](#)

History:

- [Ben's Guide to U.S. Government for Kids](#)
- [Congress for Kids](#)
- [Truman Library-3 Branches](#)
- [3 Branches Review](#)
- [Brainpop - Rights and Responsibilities](#)
- [Brainpop-3 Branches](#)
- [Brainpop-How a bill becomes a law](#)
- [Brainpop Jr - Goods and Services](#)
- [Brainpop Jr-Local and State Government](#)
- [Brainpop Jr-Branches of Government](#)
- [3 Branches game \(advanced\)](#)
- [Wisconsin State Government](#)

Wisconsin History:

- [Early Peoples of Wisconsin](#)
- [Investigating Wisconsin History: First Peoples](#)
- [Investigating Wisconsin History: Cultures in Conflict](#)
- [Indian Country: Wisconsin \(Milwaukee Public Museum\)](#)
- [The Ways:Culture and Language Stories](#)
- [Investigating Wisconsin History: Creating a state](#)

- [How to shoot marbles](#)
- [Colliding marbles](#)
- [How Roller Coasters work](#)

Mystery 3: Why is the first hill of a roller coaster always the tallest?

- [Best Roller coaster ever](#)
- [Roller coaster game](#)
- [Roller Coaster Game \(2\)](#)
- [Thrill Ride](#)
- [Marble Roller Coaster](#)

Mystery 4: Could you knock a building down using only dominoes?

- [La Macchina Botanica](#) (The Botanical Machine)
- [Chocolate egg machine](#)
- [Berlagawesome](#)
- [Honda: The Cog](#)
- [Herringbone Chains](#)

Mystery 5: Can you build a chain reaction machine?

- [99 Amazing Chain reactions](#)
- [Underwater Robot](#)
- [Building earthquake test](#)
- [Penguin robots](#)
- [Defining and Delimiting Engineering problems](#)
- [Developing possible solutions](#)
- [Optimizing the design solution](#)
- [Need ideas?](#)

Mystery 6: What if there were no electricity?

- [Farm gets electricity](#)
- [Light pollution](#)
- [Power of circuits](#)
- [Electricity generation](#)
- [Life without electricity](#)
- [Lemon battery](#)
- [Turning your flashlight on and off challenge](#)

Mystery 7: How long did it take to travel across the country before cars and planes?

- [How a steam locomotive works](#)
- [History of the steam engine](#)
- [Hot air balloon](#) (on Epic)
- [How does it fly](#) (on Epic)
- [Albuquerque Air Fiesta](#)
- [Steampunk book list](#)

Mystery 8: Where does energy come from?

- [Matter and Energy: What is energy?](#)
- [Five interesting things about energy](#)
- [Earth's Systems: Natural resources](#)
- [Issue Overview: Solar energy](#)
- [How Things Work: Solar cells](#)
- [Sun Powered Baking](#)
- [Solar Oven Activity](#)

- [Wisconsin Historical Society](#)
- [Wisconsin State Symbols](#)
- [Wisconsin Territory to Statehood Timeline](#)
- [Native American Tribes](#)
- [Chief Oshkosh](#)
- [Native American Webquest](#)
- [Stockbridge-Munsee](#)

Early Economy

- [Fur Traders \(Canada link\)](#)
- [Voyageurs Video](#)
- [Jacques, The Youngest Voyageur \('Leve, Leve'\)](#)

Immigration

- [Investigating WI History: Coming to Wisconsin](#)
- [Exploring Wisconsin Our Home: Where We Came From](#)
- [Immigrant Children Stories](#)
- [The Golden door, part 1](#)
- [The Golden door, part 2](#)
- [Immigration Nation game](#)
- [Ellis Island Virtual Tour](#)
- [Brainpop Immigration](#)
- [Brainpop Jr Immigration](#)
- [Brainpop Jr Ellis Island](#)
- [Brainpop Jr Statue of Liberty](#)
- [Great American Melting Pot](#)

Wisconsin Industry:

[Wisconsin Media Lab](#): Browse by subject - Social Studies and click on Investigating Wisconsin History. Look for the episodes for Agriculture and Industry as listed below (if the links do not work).

Wisconsin Agriculture:

- [Building the Great Food Plate](#)
- [Dawn to Dusk](#) (video)
- [Digging into Soil](#)
- [Great Crop Countdown](#)
- [Farming](#)
- [Fun Facts](#)
- [Making a living: Agriculture](#) (video)
- [Pollinator Garden](#)

Wisconsin Manufacturing:

- [Making a Living](#) (video)
- [Women in Manufacturing](#) (video)

- [A never ending supply](#)
- [To make clean energy](#)
- [Small Wind Electric Systems](#)

Human Machine: Human body, senses, & the brain

Mystery 1: Why do your biceps bulge?

- [Robot hand](#) & [Robot hand](#)
- [Move Your Muscles](#)
- [Drink Milk!](#)
- Brainpop
 - [Joints](#)
 - [Muscles](#)
 - [Skeleton](#)
 - [Nails](#)

Mystery 2: What do people who are blind see?

- [Experimental Eyeglasses](#)

Mystery 3: How can some animals see in the dark?

- [Reading in the dark](#)
- [Animal sounds at night](#)

Mystery 4: How does your brain control your body?

- [The Human Body You've Got Some Nerve!](#)
- [What's Inside?](#)
- [Rise up](#)
- [Slapshot](#)
- [Zap a fly](#)

Waves of sound: Sound, waves, & communication

Mystery 1: How far can a whisper travel?

- [Secret Bells](#)
- Morse Code
- [Tap Code](#)
- [Fixing my Sister's Bike](#)
- [The Pool](#)
- [I break stuff for a living](#)
- [Who needs a better mousetrap?](#)

Mystery 2: What would happen if you screamed in outer space?

- [Seeing sound](#)
- [Three Cheers for Ears](#)
- [Deepsea Noises](#)

- [Economic Impact of Manufacturing](#) (video)
- [Coolest thing made in Wisconsin](#) (video)
- [Wisconsin Products](#)

Wisconsin Tourism:

- [Travel Wisconsin](#)
- [Wisconsin Department of Natural Resources](#)
- [Wisconsin Hometown Stories](#) (video)
- [Discover Wisconsin \(destinations\)](#)
- [Tourism-money for the economy](#)

Wisconsin Lumber:

- [Lumber Camp life](#)
- [Lumber Jack Wisconsin Dells](#)
- [Paul Bunyan video](#) (video)
- [Paul Bunyan video \(Part 2\)](#)
- [Exploring Wisconsin Our Home | Interacting With Our Environment](#) (video)
- [Wisconsin Loggers \(Part 1 A\)](#)
- [Wisconsin Loggers \(Part 1 B\)](#)
- [Wisconsin Loggers \(Part 1 C\)](#)
- [Wisconsin Loggers \(Part 2 A\) Rivers & Raftsmen](#)
- [Wisconsin Loggers \(Part 2 B\) Rivers & Raftsmen](#)
- [Wisconsin Loggers \(Part 2 C\) Rivers & Raftsmen](#)
- [Wisconsin Loggers \(Part 3 A\) Sawmills & Sawdust](#)
- [Wisconsin Loggers \(Part 3 B\) Sawmills & Sawdust](#)
- [Wisconsin Loggers \(Part 3 C\) Sawmills & Sawdust](#)
- [Fallin' of the Pine: Logging on the Chippewa River](#)

Economy:

[Brainpop Jr.-Goods and Services](#)
[Brainpop-Needs and Wants](#)
[Brainpop-Money](#)
[Brainpop-Supply and Demand](#)

- [Underwater Blasts](#)
- [Dancing Underwater](#)
- [Objects dancing](#)

Mystery 3: Why are some sounds high and some sounds low?

- [Now hear this!](#)
- [Bouncy balls](#)
- Hearing test
- [Virtual oscilloscope](#)
- [Musical Road](#)

Math:

General resources:

- [Greg Tang Math](#)
- [Cool Math 4 Kids](#)
- [Skillwise](#)

Operations & Algebraic Thinking

- [Estimation Contraption](#)

Number and Operations in Base Ten

• Addition

- [Number line \(addition\)](#)
- [Kakooma](#)
- [Ten Frame Mania](#)
- [Sheppard Addition Games](#)

• Subtraction

- [Count on Convict \(subtraction\)](#)
- [Sheppard Subtraction Games](#)

• Multiplication

- [Kakooma](#)
- [Bunny times](#)
- [Sheppard Multiplication Games](#)

• Division

- [Sheppard Division Games](#)
- [Arithmetic Four](#)
- [Factris](#)
- [Quotient Cafe](#)
- [Pascal's Triangle](#)
- [Factor Game](#)

Number and Operations - Fractions

- [Satisfraction](#)
- [Cyberchase](#)
- [Splash Math Fractions](#)
- [Fractions Forest](#)

General Resources:

- [Wisconsin Media Lab](#)
- [Watch, Know & Learn Videos](#)
- [Brainpop](#)
username: oasdwes
password:brainpop
- [Brainpop jr.](#)
username: oasdwes
password:brainpop

Research

- [Badgerlink](#)
- [Kids Search](#)
- [Searchasaurus](#)
- [Internet Public Library Kids Space](#)
- [KidRex](#)
- [Kids Click](#)
- [BibMe - citing sources](#)

- [Pizza Pandas](#)
- [Tug Team Fractions](#)

Number and Operations - Decimals

- [Battleship Numberline](#)
- [Matching Fractions, Decimals, Percentages](#)
- [Mathman Fractions](#)
- [Galaxy Pals Decimal Pairs](#)
- [Number Bonds Decimals](#)

Measurement and Data

- [Sheppard Measurement games](#)
- [Area and Perimeter](#)
- [More Area and Perimeter](#)
- [Perimeter Game](#)

Geometry

- [Measuring Angles](#)
- [Alien Angles](#)
- [Angle Shoot](#)
- [Factris](#)
- [Alphabet symmetry](#)
- [Line symmetry](#)
- [Shape Sort](#)
- [Symmetry Artist](#)
- [Shape Explorer](#)
- [Zoo Designer](#)
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Unit 8 Design & Problem Solving

- [Healthy Children-Playground Safety](#)
- [Inspecting Playgrounds-Equipment Hazards](#)
- [CPSC Playground Safety](#)
- [Kids Health-Playground Safety](#)
- [National Safety Council-Stay Safe on Playgrounds](#)
- [Insurance warnings-Dirty Dozen Playground Dangers](#)
- [Healthy Children-Trampolines](#)
- [Playground Safety-Fall Height](#)

Games:

- [Sheppard Software Games](#)

Literacy:

- [Myths to read](#)
- [Myth writing](#)
- [Poetry Website](#)
- [Diamonte poem](#)
- [Cinquain](#)
- [Shape poem](#)
- [Acrostic Poem](#)
- [Haiku](#)