Second Grade Science and Social Studies Curriculum

S.S. Strand: Government - Topic: Civic Participation and Skills

- 2.10 Respect for the rights of self, others includes making responsible choices and being accountable for personal actions.
- 2.11 Groups are accountable for the choices they make and actions they take.

S.S. Strand: Government - Topic: Rules and Laws

• 2.12 There are different rules that govern behavior in different settings.

Vocabulary: community, citizen, responsibility, rules, consequences

WeeksEssential Questions & Key1-2Ideas/Mini- Lesson Suggestions

- Why do we have rules?
- What are good citizen traits?
- What is government and why do we have it?
- Why is it important to belong to a community?
- What is a citizen?
- What are the roles and responsibilities of a citizen?
- What is a community?
- Why do communities have rules?
- PAX Community

Mentor Text Provided/Common Activity:

- Officer Buckle and Gloria by Peggy Rathmann
 - Common Activity: Being a Good Citizen PAX quiz

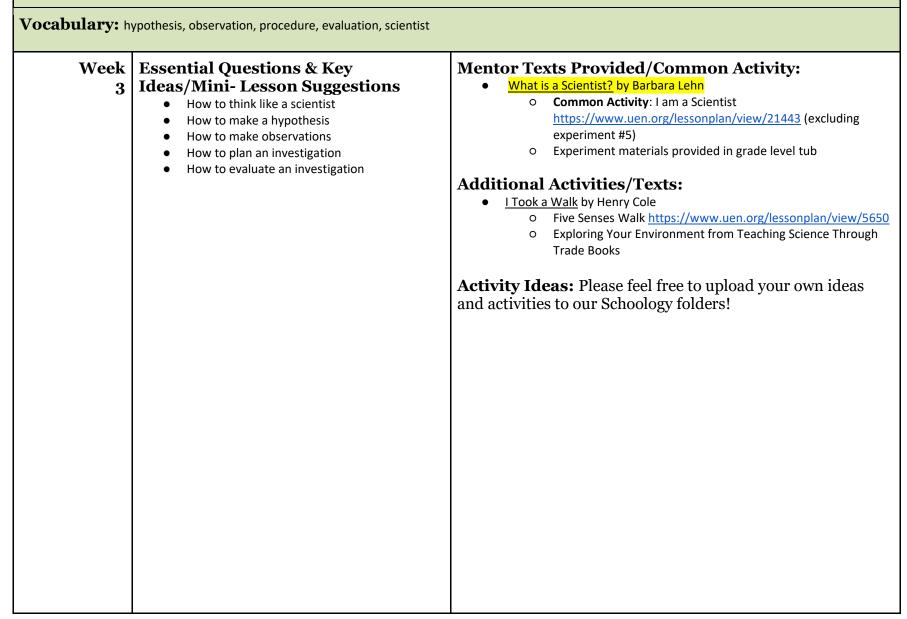
Additional Activities/Texts:

- Do Unto Otters: A Book About Manners by Laura Keller
 - What are Go
 - O od Citizen Traits? (PDF)
 - Being a Responsible Citizen <u>https://www.uen.org/lessonplan/view/25984</u>
- Who Makes the Rules? By Gail Hennessey
 - O What is Government and Why Do We Have It? (PDF)
- <u>What if Everybody Did That?</u> By Ellen Javernick (Also 1st Grade suggested MT)
 Why Do We Have Rules? (PDF)
- Joshua Disobeys by Dennis Vollmer
 - o <u>https://www.uen.org/lessonplan/view/18875</u>

Activity Ideas: Please feel free to upload your own ideas and activities to our Schoology folders!

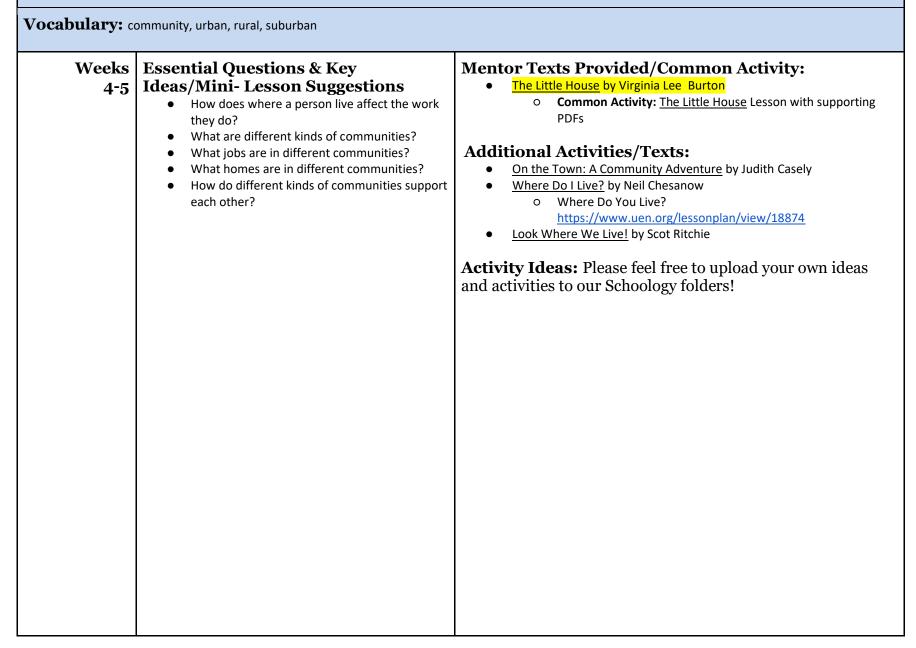
Science Strand: Science Inquiry and Application "Thinking Like A Scientist"

• Intro to science routines and procedures



S.S. Strand: Geography - Topic: Places and Regions

• 2.6 The work that people do is impacted by the distinctive human and physical characteristics in the place where they live.



Science Strand: Interactions with Habitats

- 2.LS.1 Living things cause change on Earth
 - Living things function and interact with their physical environments. Living things cause changes in the environments where they live; the changes can be very noticeable or slightly noticeable, fast or slow

Vocabulary: habitat, environment, adaptations, characteristics Week Essential Questions & Key Mentor Texts Provided/Common Activity: 6 Ideas/Mini- Lesson Suggestions What Do You Do With a Tail Like This? by Steve Jenkins(2nd grade ELA MT) • Common Activity: How Do I Survive? Review - What is a habitat? • https://www.uen.org/lessonplan/view/28208 What are common characteristics of animals in a given habitat? • How do living things function in their **Additional Activities/Texts:** Diary of a Worm by Doreen Cronin (2nd grade ELA MT) and Wiggling Worms environment? • How do living things cause changes in the at Work by Wendy Pfeffer environments where they live? • Wiggly Worms Lesson from More Picture Perfect Science Lessons - copy on file These books can also be used with the common activity lesson. Many Kinds of Animals, by Bobbie Kalman, 0 • Animalogy: Weird and Wacky Animal Facts (Animal Planet), by Rita T. Mullin Animal Senses: How Animals See, Hear, Taste, Smell and Feel 0 (Animal Behavior), Pamela Hickman and Pat Stephens • Cold, Colder, Coldest: Animals That Adapt to Cold Weather (Animal Extremes), Michael Dahl Activity Ideas: Please feel free to upload your own ideas and activities to our Schoology folders!

S.S. Strand: Geography - Topic: Spatial thinking and Skills • 2.5 Maps and their symbols can be interpreted to answer question about location of places. Vocabulary: map, map key, symbol, legend, cardinal directions (north, south, east, west), compass rose Weeks Essential Questions & Key **Mentor Texts Provided/Common Activity:** 7-8 | Ideas/Mini- Lesson Suggestions Where Do I Live? by Neil Chesanow • • Common Activity: Where On Earth Do I Live? • What is a map? https://iga.illinoisstate.edu/downloads/Geography%20Lesson. What does a map show? How to use symbols to read a map pdf Mapping Penny's World by Loreen Leedy (Butlerville has - not What is a map key or legend How to follow cardinal directions Maineville) • **Common Activity:** Mapping Penny's World- Linking How to navigate using a map Geography and and Literature https://www.uen.org/lessonplan/view/29862 Additional Activities/Texts: Follow That Map! A First Book of Mapping Skills by Scot Ritchie • Cultural Learning: Learning to Read a Map https://www.uen.org/lessonplan/view/11842 (adapt locally -Caesar's Creek suggested) http://nebula.wsimg.com/94e26999dedf913fa5b2583b89491 ec1?AccessKeyId=38103F75BAA438DB3E6A&disposition=0&al loworigin=1 Making Maps(treasure hunt) o https://www.uen.org/lessonplan/view/5683 Adventure Island Interactive Map Game o https://www.nationalgeographic.org/education/interactive/m aps-tools-adventure-island/ Activity Ideas: Please feel free to upload your own ideas and activities to our Schoology folders!

Science Strand: Interactions with Habitats

- 2.LS.1 Living things cause change on Earth
 - Living things function and interact with their physical environments. Living things cause changes in the environments where they live; the changes can be very noticeable or slightly noticeable, fast or slow

Vocabulary: climate, adaptation, habitat Week Essential Questions & Key Mentor Texts Provided/Common Activity: 9 Ideas/Mini- Lesson Suggestions I Wanna Iguana by Karen Kaufman Orloff (2nd grade ELA MT) • What are common characteristics of animals in Where do Animals Live? By Bobbie Kalman • • **Common Activity:** Design a Habitat Lesson from Picture a given habitat? Perfect STEM Lessons, K-2- copy on file How do living things function in their habitat? How do living things cause changes in the **Additional Activities/Texts:** habitat where they live? • Any Froggy book by Jonathan London • Creature Creation https://www.uen.org/lessonplan/view/5718 I See a Kookaburra! Discovering Animal Habitats Around the World by Steve Jenkins and Robin Page and The Salamander Room by Anne Maze • A Habitat is a Home Lesson from Teaching Science Through Trade Books Investigation: Greenhouses https://www.uen.org/lessonplan/view/9681 • Investigation: Terrariums/Aquariums https://www.uen.org/lessonplan/view/9683 Activity Ideas: Please feel free to upload your own ideas and activities to our Schoology folders! **End of First Quarter**

S.S. Strand: History - Topic: Historical Thinking and Skills 2.1 Time can be shown graphically on calendars and timelines.

- 2.2 Change over time can be shown with artifacts, maps, and photographs.

Vocabulary:	alendar, timeline, artifact, chronological order	
	 Essential Questions & Key Ideas/Mini- Lesson Suggestions What is a timeline? How does a timeline help me to understand historical events? Why must events on a timeline be placed in chronological order? What are the parts and purpose of a timeline? 	 Mentor Texts Provided/Common Activity: From Washboards to Washing Machines: How Homes Have Changed by Jennifer Boothroyd Common Activity: Showing Change Over Time -Class Book- opy on file (TR2) Common Activity: Research - How Science and Technology Have Changed Daily Life Additional Activities/Texts: The Keeping Quilt by Patricia Polacco

Science Strand: Earth and Space Science - The Atmosphere

- 2.ESS.1 The atmosphere is primarily made of air.
 - Air has properties that can be measured. The transfer of energy in the atmosphere causes air movement, which is felt as wind. Wind speed and direction can be measured.

Vocabulary: atmosphere, energy, transfer

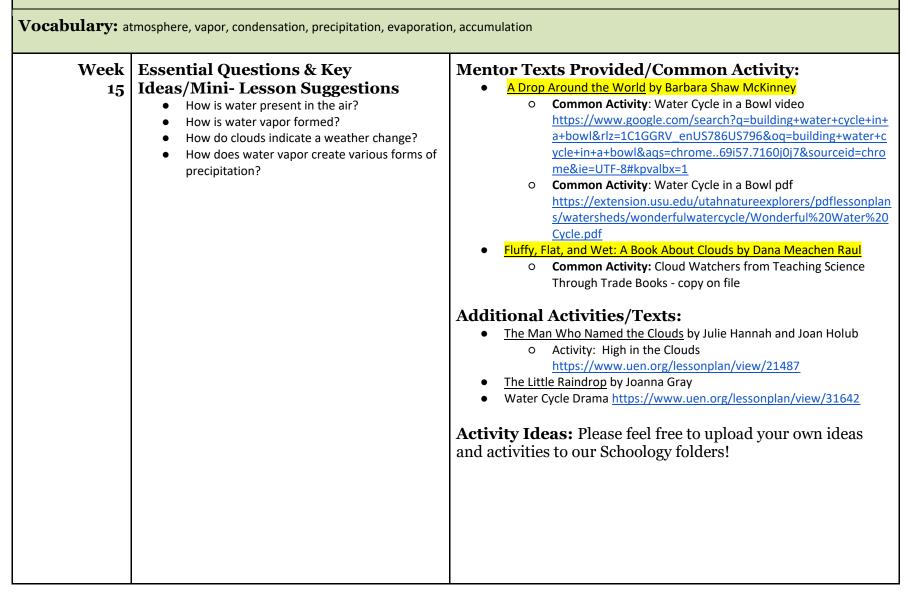
Week 12	Essential Questions & Key Ideas/Mini- Lesson Suggestions How can you observe air? How can you measure air? How does air move?	 Mentor Texts Provided/Common Activity: <u>The Wind Blew</u> by Pat Hutchins and <u>I Face the Wind</u> by Vicki Cobb Common Activity: The Wind Blew from Even More Picture-Perfect Science Lessons, K-5 - copy on file Additional Activities/Texts: <u>Let's Try It Out in the Air</u> by Seymour Simon and Nicole Fauteux
		 Activity: Let's Try It Out in the Air Lesson from Teaching Science Through Trade Books- copy on file <u>Feel the Wind</u> by Arthur Dorros Activity: Make a wind vane <u>https://www.education.com/activity/article/wind_vane_first/</u>
		Activity Ideas: Please feel free to upload your own ideas and activities to our Schoology folders!

• 2.2 S.S. Strand: G • 2.8 Cultures	 S. Strand: History - Topic: Historical Thinking and Skills 2.2 Change over time can be shown with artifacts, maps, and photographs. S. Strand: Geography - Topic: Human Systems 2.8 Cultures develop in unique ways, in part through the influence of the physical environment. 2.9 Interactions among cultures lead to sharing ways of life. 	
Vocabulary: a	rtifact, photograph, holiday, culture, celebrate	
Weeks 13-14	 Essential Questions & Key Ideas/Mini- Lesson Suggestions How did American holidays come about? Why do we recognize and celebrate American holidays? 	 Mentor Texts Provided/Common Activity: Veterans: Heroes in Our Neighborhood by Valerie Pfundstein Common Activity: "The History of Veterans' Day" close reading passage and timeline activity [RM] <u>The Story of the Pilgrims by Katharine Ross</u> Common Activity: <u>https://plimoth.org/</u> Additional Activities/Texts: People of the Breaking Day by Marcia Sewell and <u>The Wampanoag (True Books)</u> by Kevin Cunningham <u>http://www.scholastic.com/scholastic_thanksgiving/</u> <u>https://www.scholastic.com/scholastic_thanksgiving/</u> <u>https://www.scholastic.com/teachers/unit-plans/2017/first-thanksgiving-teaching-guide-grades-prek-2/</u> Activity Ideas: Please feel free to upload your own ideas and activities to our Schoology folders!

Science Strand: Earth and Space Science - The Atmosphere

• 2.ESS.2 Water is present in the atmosphere.

• Water is present in the atmosphere as water vapor. When water vapor in the atmosphere cools, it forms clouds, fog, rain, ice, snow, sleet or hail.



S.S. Strand: Geography - Topic: Human Systems 2.7 Human activities alter the physical environment, both positively and negatively.

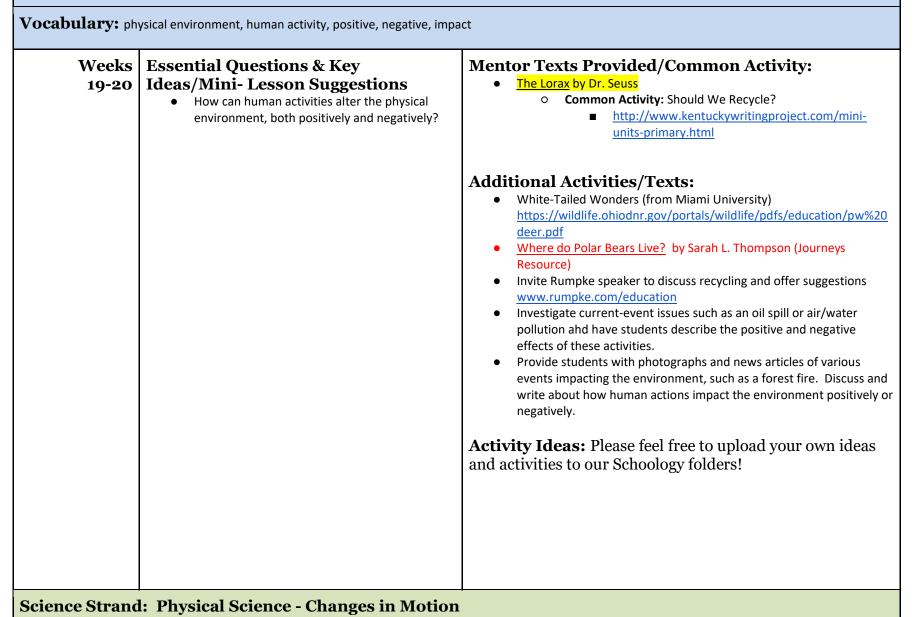
- 2.8 Cultures develop in unique ways, in part through the influence of the physical environment. •
- 2.9 Interactions among cultures lead to sharing ways of life.

Vocabulary: p	hysical environment, cultures, interactions, influence	
Weeks 16-17	 Essential Questions & Key Ideas/Mini- Lesson Suggestions How does physical environment influence how people meet their basic needs? How do human activities alter the physical environment? How do the interactions among cultures lead to sharing ways of life? 	 Mentor Texts Provided/Common Activity: On the Spot; An Expedition Back Through Time by Susan Goodman http://www.susangoodmanbooks.com/?page_id=2436 A River Ran Wild by Lynee Cherry Common Activity: Human Settlement and Geography https://www.uen.org/lessonplan/view/21938 Additional Activities/Texts: Just a Dream by Chris Van Allsburg Activity: https://www.uen.org/lessonplan/view/21938 Students research the cultural characteristics of a self-selected group of people (culture) and use the information to make a doll, shelter, recipe, tool or other product that represents the culture Have students look at pictures of various kinds of shelters and determine what they used from the physical environment to construct them. Students design a multimedia presentation that demonstrates the food, clothing, shelter, language and artistic expressions of a specific culture. The teacher guides students to make inferences about the influence of the physical environment on the way people meet their needs. Activity Ideas: Please feel free to upload your own ideas and activities to our Schoology folders!

Science Strand: Physical Science - Changes in Motion • 2.PS.1 Forces change the motion of an object. • Motion can increase, change direction or stop depending on the force applied. • The change in motion of an object is related to the size of the force. • Some forces act without touching, such as using a magnet to move an object or objects falling to the ground. Vocabulary: force, motion, push, pull, gravity Week Essential Questions & Key **Mentor Texts Provided/Common Activity: 18** | Ideas/Mini- Lesson Suggestions • I Fall Down by Vicki Cobb • **Common Activity:** Gravity Lesson from Teaching Science • How does gravity pull things to earth? Through Trade Books How does force change the motion of an o Video: object? https://indianapublicmedia.org/amomentofscience/groundgolf-bowling-ball/ Forces Make Things Move by Kimberly Bradley • Common Activity: Forces - Push and Pull https://www.uen.org/lessonplan/view/32852 **Additional Activities/ Texts:** Gravity: https://www.uen.org/lessonplan/view/28207 • Let's Use Force • https://www.uen.org/lessonplan/view/28150 • Roller Coasters Lesson from Teaching Science Through Trade Books (gravity and friction) Activity Ideas: Please feel free to upload your own ideas and activities to our Schoology folders! **End of Second Quarter**

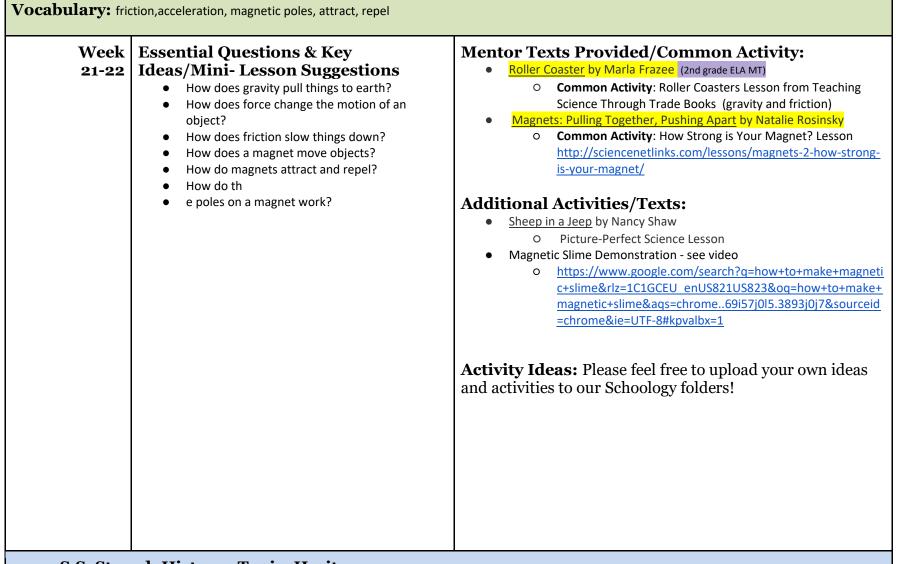
S.S. Strand: Geography- Human Systems

• 2.7 Human activities alter the physical environment, both positively and negatively.



• 2.PS.1 Forces change the motion of an object.

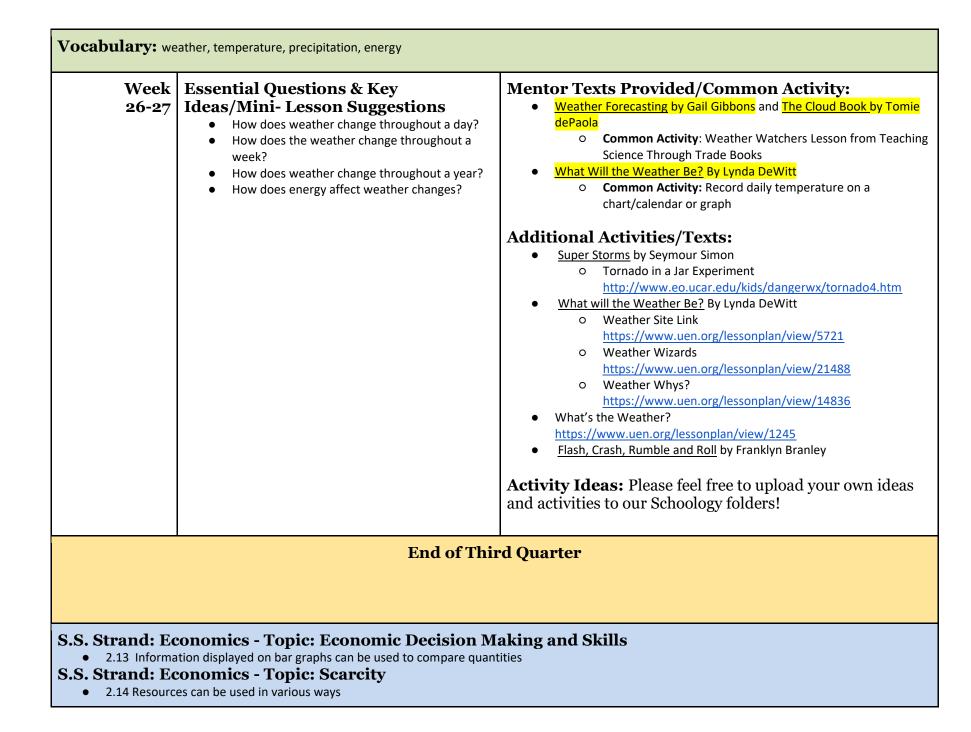
- Motion can increase, change direction or stop depending on the force applied.
- The change in motion of an object is related to the size of the force.
- Some forces act without touching, such as using a magnet to move an object or objects falling to the ground.



- S.S. Strand: History Topic: Heritage
- 2.3 Science and technology have changed daily life
- 2.4 Biographies can show how peoples' actions have shaped the world in which we live

Weeks Essential Questions & Key Jdeas/Mini- Lesson Suggestions • How have these individuals from the past made contributions that changed the lives of Americans?	 Mentor Texts/Common Activity: Now and Ben by Gene Barretta Common Activity: Famous American Research Project Timeless Thomas by Gene Barretta (Maineville Teachers have, need for F Common Activity: Famous American Research Project Various Biographies about Inventors/Famous Americans that hav had a historical impact. Common Activity: Famous American Research Project Additional Activities/Texts: Common Now and Ben text supplemental activities: Model timeline, T-chart, Venn Diagram - making connect - of accomplishments and inventions throughout Ben Franklin's life Article of the Day from Readworks.org Use to model locating information, learning about famo people Reading A-Z resources Highlight specific information - (Text Detectives) Activity Ideas: Feel free to upload your own ideas <i>Famous American Research Project</i>
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- 2.ESS.3 Long- and short-term weather changes occur due to changes in energy.
 - Changes in energy affect all aspects of weather, including temperature, precipitation, and wind.



 2.15 Most per Strand: Econo 2.16 People Strand: Econo 2.17 People 	conomics - Topic: Production and Consu- eople around the world work in jobs in which they produce mics - Topic: Markets use money to buy and sell goods and services mics - Topic: Financial Literacy earn income by working pply, demand, goods, services, consumer, producer, income	specific goods and services
Weeks 28-32	 Essential Questions & Key Ideas/Mini- Lesson Suggestions How does demand affect supply? What is the difference between a want and a need? What goods and services are offered in our community? What's the difference between a producer and a consumer? How do people earn money to pay for the things they need? What job would you like to do when you are an adult? What do you have to do to prepare for that job? 	 Mentor Texts Provided/Common Activity: Common Activity: Junior Achievement Lessons Junior Achievement Lesson Outlines

(Spring Break!!!)

Science Strand: Fossils - Interactions with Habitats

• 2.LS.2 All organisms alive today result from their ancestors, some of which may be extinct. Not all kinds of organisms that lived in the past are represented by living organisms today.

Weeks 33-35Essential Questions & Key Ideas/Mini- Lesson Suggestions• How are fossils useful?• Why is it important to learn about animals from long-ago?• What do you think scientists can learn by studying fossils?• How does an animal become extinct?	 Mentor Texts Provided/Common Activity: Fossils Tell of Long Ago by Aliki and Fossil by Claire Ewart Common Activity: Fossils Tell of Long Ago from Even Picture Perfect Science Common Activity: Field Trip to Caesar's Creek - field specific information handout/resource https://www.fossilguy.com/sites/caesar-creek/caesa creek-fossils.htm
	 Additional Activities/Texts: <u>Paleontologist Mary Anning</u> by Marie Day Lesson: Fascinating Fossil Finds from Teaching Science Through Trade Books <u>Prehistoric Actual Size</u> by Steve Jenkins (2nd grade ELA MT) Lesson: Mysteries of the Past Lesson from Teaching S Through Trade Books Boy, Were We Wrong About Dinosaurs! by Kathleen Kudlinski Lesson resources on Schoology Fossil website that can be used with a variety of lessons. <u>https://www.fossilidentification.org/common-fossils</u>

S.S. Strand: Government - Topic: Civic Participation and Skills

- 2.10 Respect for the rights of self, others includes making responsible choices and being accountable for personal actions.
- 2.11 Groups are accountable for the choices they make and actions they take.

S.S. Strand: Government - Topic: Rules and Laws

• 2.12 There are different rules that govern behavior in different settings.

 Weeks 36-37 Bessential Questions & Key Ideas/Mini- Lesson Suggestions How do situations or circumstances affect rules? How can you make responsible choices? How can you be accountable for your actions? How can you show respect for others? 	 Mentor Texts Provided/Common Activity: Listen, Buddy! By Helen Lester Common Activity: Choices Have Consequences https://www.uen.org/lessonplan/view/14455 Additional Activities/Texts: See Core Essential Curriculum/Core Essential Big Idea Books Thank You Day https://www.uen.org/lessonplan/view/26026
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