

GRADE 5– Unit 2: Water & Earth, Earth & Space, Stars & Planets

Mission Statement

The primary goal of the Swedesboro-Woolwich School District is to prepare each student with the real life skills needed to compete in a highly competitive global economy. This will be achieved by providing a comprehensive curriculum, the integration of technology, and the professional services of a competent and dedicated faculty, administration, and support staff.

Guiding this mission will be Federal mandates, including No Child Left Behind, the New Jersey Core Curriculum Content Standards, and local initiatives addressing the individual needs of our students as determined by the Board of Education. The diverse resources of the school district, which includes a caring PTO and active adult community, contribute to a quality school system. They serve an integral role in supporting positive learning experiences that motivate, challenge and inspire children to learn.

Unit/Module Overview

Water Cycle & Earth's Systems

In this unit, students consider the profound importance of water as a natural resource. Students investigate the distribution of water, how it cycles through Earth's systems, and explore how it affects human societies.

Spaceship Earth

In this unit, students explore patterns of the Earth, Sun, Moon, and stars. They investigate how shadows change throughout the day, how the Sun's position changes throughout the year, and how stars change throughout the seasons. They also create Earth, Sun, and Moon models to explore Moon patterns.

Stars & Planets

In this unit, students explore our solar system! They investigate how bright the Sun appears from each planet in our solar system in addition to stars of other solar systems in galaxies far away. They also investigate gravity on Earth and gravity on other planets to discover patterns of this incredible force.

Standards Covered in Current Unit/Module

Related Standards and Learning Goals

SCI.5-PS2-1 - Support an argument that the gravitational force exerted by Earth on objects is directed down.

SCI.5-ESS1-1 - Support an argument that differences in the apparent brightness of the sun compared to other stars is due to their relative distances from Earth.

SCI.5-ESS1-2 - Represent data in graphical displays to reveal patterns of daily changes in length and direction of shadows, day and night, and the seasonal appearance of some stars in the night sky.

SCI.5-ESS2-1 - Develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and/or atmosphere interact.

SCI.5-ESS2-2 - Describe and graph the amounts of salt water and fresh water in various reservoirs to provide evidence about the distribution of water on Earth.

-I can describe and graph the amounts and percentages of water and fresh water in various reservoirs to provide evidence about the distribution of water on Earth.

-I can develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and atmosphere interact.

-I can represent data in graphical displays to reveal patterns of daily changes in length and direction of shadows, day and night and the night sky.

- I can support an argument that differences in the apparent brightness of the sun compared to other stars is due to their relative distances from Earth.

-I can support an argument that the gravitational force exerted by Earth on objects is directed down.

Unit/Module Weekly Learning Activities and Pacing Guide			
Topic & # Days	NJ Standards	Critical Knowledge & Skills	Possible Resources & Activities
Week 1: Lesson 1: How much water is in the world?	5-ESS2-2. Describe and graph the amounts and percentages of water and fresh water in various reservoirs to provide evidence about the distribution of water on Earth.	Obj. We are learning to: - I can describe and graph the amounts and percentages of water and fresh water in various reservoirs to provide evidence about the distribution of water on Earth. Suggested Formative Assessment(s): Test: https://docs.google.com/presentation/d/1tVNVK-R8qL7AsqhJ2CZWhc01UmieuJ4w3oajsG5rdrw/edit?usp=sharing Key: https://docs.google.com/presentation/d/1nT7uBgD0uEfOuLy1v3U4V3PRLv91gDurYRPdyNaUmws/edit?usp=sharing	Curriculum: Mystery Science Day 1: Introduction Video & Discussion Day 2: Lab & Lab Paper Day 3 & 4: End of Video, Discussion & Teacher pay teacher worksheet to go along with lesson Day 5: Test Material: Mystery Science Online & Assessments Student Readers (English & Spanish Carolina Science Kits) Play videos to introduce 4 spheres: https://www.youtube.com/watch?v=VMxjzWHbyFM (PART 1 Geo and Bio) https://www.youtube.com/watch?v=UXh_7wb nS3A (Part 2 Hydro and Atmos) Additional Materials (optional) 4 Stations w/trade books (Not available at Harker school)-Geosphere, Hydrosphere, Atmosphere, Biosphere, Create Flip Books from copier paper in Advance and distribute to each student. Students will define academic vocab and design their flip book pages. http://eschooltoday.com/earth-system/what-is-earth-systems-thinking.html https://www.youtube.com/watch?v=HurK-1rrdb8&list=PLvhCUXmv1KwKI1YdSbQ0tAg3XUY18mQ7Z www.ducksters.com/science/atmosphere.php ,

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			www.youtube.com/watch?v=5sg9sCOXFlk TPT layers of the atmosphere template. Students will read 3 Readworks non-fiction articles, summarize, RACER, and peer edit their work. Their final copy will be submitted via google doc. Readworks "Earth's Atmosphere: The Mesosphere", "Earth's Atmosphere: The Thermosphere", "Earth's Atmosphere: The Troposphere" https://www.readworks.org/find-content#!q:atmosphere/g:21/t:12/f:0/pt:A/sr:false/features/ TPT Water Filter challenge (Google Drive) : https://www.youtube.com/watch?v=FFhrwmY6Yb0 , https://www.youtube.com/watch?v=oaQCiwzjnCM : Better Lessons Online Plans & Activities
Week 2: Lesson 3: When you turn on the faucet, where does the water come from?	5-ESS2-2. Describe and graph the amounts and percentages of water and fresh water in various reservoirs to provide evidence about the distribution of water on Earth.	Obj. We are learning to: - I can describe and graph the amounts and percentages of water and fresh water in various reservoirs to provide evidence about the distribution of water on Earth. Suggested Formative Assessment(s): Test: https://docs.google.com/presentation/d/1tVNVK-R8qL7AsqhJ2CZWhc01UmieuJ4w3oaJsG5rdrw/edit?usp=sharing Key: https://docs.google.com/presentation/d/1nT7uBgD0uEfOuLy1v3U4V3PRLv91gDurYRPdynaUmws/edit?usp=sharing	Curriculum: Mystery Science Day 1: Introduction Video & Discussion Day 2: Lab & Lab Paper Day 3 & 4: End of Video, Discussion & Teacher pay teacher worksheet to go along with lesson Day 5: Test Material: Mystery Science Online & Assessments Student Readers (English & Spanish Carolina Science Kits) Play videos to introduce 4 spheres: https://www.youtube.com/watch?v=VMxjzWHbyFM (PART 1 Geo and Bio) https://www.youtube.com/watch?v=UXh_7wbN3SA (Part 2 Hydro and Atmos)

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			Additional Materials (optional) 4 Stations w/trade books (Not available at Harker school)-Geosphere, Hydrosphere, Atmosphere, Biosphere, Create Flip Books from copier paper in Advance and distribute to each student. Students will define academic vocab and design their flip book pages. http://eschooltoday.com/earth-system/what-is-earth-systems-thinking.html https://www.youtube.com/watch?v=HurK-1rddb8&list=PLvhCUXmv1KwKI1YdSbQ0tAg3XUY18mQ7Z www.ducksters.com/science/atmosphere.php , www.youtube.com/watch?v=5sg9sCOXFlk TPT layers of the atmosphere template. Students will read 3 Readworks non-fiction articles, summarize, RACER, and peer edit their work. Their final copy will be submitted via google doc. Readworks "Earth's Atmosphere: The Mesosphere", "Earth's Atmosphere: The Thermosphere", "Earth's Atmosphere: The Troposphere" https://www.readworks.org/find-content#!q:atmosphere/g:21/t:12/f:0/pt:A/sr:false/features/ TPT Water Filter challenge (Google Drive) : https://www.youtube.com/watch?v=FFhrwmY6Yb0, https://www.youtube.com/watch?v=oaQCiwzjnCM: Better Lessons Online Plans & Activities
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<u>Weeks 3:</u> Welcome to Earth Brochure	5-ESS2-1 Develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and atmosphere interact.	Obj. We are learning to: • I can develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and atmosphere interact. Suggested Formative Assessment(s): • Mystery Science Assessment for each lesson • Test	<u>Curriculum:</u> Mystery Science <u>Day 1:</u> Read and take notes about the spheres. https://www.generationgenius.com/wp-content/uploads/reading-material/interaction-of-earths-spheres-reading-material-grades-3-5.pdf <u>Day 2:</u> Watch the video and take notes: https://www.generationgenius.com/videolessons/earths-spheres-video-for-kids/ <u>Day 3 & 4:</u> https://drive.google.com/file/d/1HA-sCdLaX0QXmp8iTvqZ94FwZ9buRQam/view?usp=sharing <u>Day 5:</u> Test <u>Material:</u> Mystery Science Online & Assessments Student Readers (English & Spanish Carolina Science Kits) Play videos to introduce 4 spheres: https://www.youtube.com/watch?v=VMxjzWHbyFM (Part 1 Geo and Bio) https://www.youtube.com/watch?v=UXh_7wb nS3A (Part 2 Hydro and Atmos) Additional Materials (optional) 4 Stations w/trade books (Not available at Harker school)-Geosphere, Hydrosphere, Atmosphere, Biosphere, Create Flip Books from copier paper in Advance and distribute to each student. Students will define academic vocab and design their flip book pages. http://eschooltoday.com/earth-system/what-is-earth-systems-thinking.html https://www.youtube.com/watch?v=HurK-1r
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<u>Week 4:</u> Lesson 1: How fast does the Earth spin?	5-ESS1-2. Represent data in graphical displays to reveal patterns of daily changes in length and direction of shadows, day and night, and the night sky.	Obj. We are learning to: - I can represent data in graphical displays to reveal patterns of daily changes in length and direction of shadows, day and night and the night sky. Suggested Formative Assessment(s): - Test: https://docs.google.com/presentation/d/1tVNVK-R8qL7AsqhJ2CZWhc01UmieuJ4w3oaJsG5rdrw/edit?usp=sharing - Key:	<u>Curriculum:</u> Mystery Science <u>Day 1:</u> Introduction Video & Discussion <u>Day 2:</u> Lab & Lab Paper <u>Day 3 & 4:</u> End of Video, Discussion & Teacher pay teacher worksheet to go along with lesson Generation Genius: Earth's Orbit and Rotation <u>Day 5:</u> Test <u>Materials:</u> Mystery Science Online & Assessments Student Readers (English & Spanish Carolina Science Kits) Play videos to introduce 4 spheres:

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		https://docs.google.com/presentation/d/1nT7uBgD0uEfOuLy1v3U4V3PRLv91gDurYRPdyNaUmws/edit?usp=sharing	https://www.youtubecom/watch?v=VMxjzWHbyFM (PAr 1 Geo and Bio) https://www.youtube.com/watch?v=UXh_7wb nS3A (Part 2 Hydro and Atmos) Additional Materials (optional) 4 Stations w/trade books (Not available at Harker school)-Geosphere, Hydrosphere, Atmosphere, Biosphere, Create Flip Books from copier paper in Advance and distribute to each student. Students will define academic vocab and design their flip book pages. http://eschooltoday.com/earth-system/what-is-earth-systems-thinking.html https://www.youtube.com/watch?v=HurK-1rrdb8&list=PLvhCUXmv1KwKI1YdSbQQtAg3XUY18mQ7Z www.ducksters.com/science/atmosphere.php , www.youtube.com/watch?v=5sg9sCOXFlk TPT layers of the atmosphere template. Students will read 3 Readworks non-fiction articles, summarize, RACER, and peer edit their work. Their final copy will be submitted via google doc. Readworks "Earth's Atmosphere: The Mesosphere", "Earth's Atmosphere: The Thermosphere", "Earth's Atmosphere: The Troposphere" https://www.readworks.org/find-content#!q:a tmosphere/g:21/t:12/f:0/pt:A/sr:false/features :/ TPT Water Filter challenge (Google Drive) : https://www.youtube.com/watch?v=FFhrwmy6Yb0,
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Week 5: Lesson 2: Who set the first clock?	5-ESS1-2. Represent data in graphical displays to reveal patterns of daily changes in length and direction of shadows, day and night, and the night sky.	Obj. We are learning to: - I can represent data in graphical displays to reveal patterns of daily changes in length and direction of shadows, day and night and the night sky. Suggested Formative Assessment(s): - Test: https://docs.google.com/presentation/d/1tVNVK-R8qL7AsqhJ2CZWhc01UmieuJ4w3oaJsG5rdrw/edit?usp=sharing - Key: https://docs.google.com/presentation/d/1nT7uBgD0uEfOuLy1v3U4V3PRLv91gDurYRPdyNaUmws/edit?usp=sharing	Curriculum: Mystery Science Day 1: Opening Video (Reviewing Latitude and Longitude) Day 2: Make Shadow Clocks and use flash lights Day 3: Shadow Clocks outside & Shadow Length Activity https://www.youtube.com/watch?v=1SN1BOpLZAs Day 4: Make a bar graph with the data Day 5: Assessment Materials: Mystery Science Online & Assessments Student Readers (English & Spanish Carolina Science Kits) Play videos to introduce 4 spheres: https://www.youtube.com/watch?v=VMxjzWHbyFM (Part 1 Geo and Bio) https://www.youtube.com/watch?v=UXh_7wbN3A (Part 2 Hydro and Atmos) Additional Materials (optional) 4 Stations w/trade books (Not available at Harker school)-Geosphere, Hydrosphere, Atmosphere, Biosphere, Create Flip Books from copier paper in Advance and distribute to each student. Students will define academic vocab and design their flip book pages. http://eschooltoday.com/earth-system/what-is

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<u>Week 6:</u> Lesson 3: How can the Sun tell you the season?	5-ESS1-2. Represent data in graphical displays to reveal patterns of daily changes in length and direction of shadows, day and night, and the night sky.	Obj. We are learning to: - I can represent data in graphical displays to reveal patterns of daily changes in length and direction of shadows, day and night and the night sky. Suggested Formative Assessment(s): Test: https://docs.google.com/presentation/d/1t	Curriculum: Mystery Science Day 1 & Day 2: Follow the Mystery Science videos Each student has piece of paper and they write their answer and two reasons why Day 3: Take notes & Show videos https://www.youtube.com/watch?v=b25g4nZTHvM&t=23s

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		VNVK-R8qL7AsqhJ2CZWhc01UmieuJ4w3oaJsG5rdrw/edit?usp=sharing • Key: https://docs.google.com/presentation/d/1nT7uBgD0uEfOuLy1v3U4V3PRLv91gDurYRPdyNaUmws/edit?usp=sharing •	https://www.youtube.com/watch?v=kyE3Yd1_zDc Day 4: Review Elapsed Time https://www.youtube.com/watch?v=NWf6PbxcOno https://www.youtube.com/watch?v=eUgyC_vT_hdY Day 5: Teacher pay teacher worksheet Day 6: Elapsed Time & Bar Graph Day 7: Assessment Material: Mystery Science Online & Assessments Student Readers (English & Spanish Carolina Science Kits) Play videos to introduce 4 spheres: https://www.youtube.com/watch?v=VMxjzWHbyFM (Part 1 Geo and Bio) https://www.youtube.com/watch?v=UXh_7wb_nS3A (Part 2 Hydro and Atmos) Additional Materials (optional) 4 Stations w/trade books (Not available at Harker school)-Geosphere, Hydrosphere, Atmosphere, Biosphere, Create Flip Books from copier paper in Advance and distribute to each student. Students will define academic vocab and design their flip book pages. http://eschooltoday.com/earth-system/what-is-earth-systems-thinking.html https://www.youtube.com/watch?v=HurK-1rrdb8&list=PLvhCUXmv1KwKI1YdSbQ0tAg3XUY18mQ7Z
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Week 7: Lesson 4: Why does the Moon change shape?	5-ESS1-2. Represent data in graphical displays to reveal patterns of daily changes in length and direction of shadows, day and night, and the night sky.	Obj. We are learning to: - I can represent data in graphical displays to reveal patterns of daily changes in length and direction of shadows, day and night and the night sky. Suggested Formative Assessment(s): - Test: https://docs.google.com/presentation/d/1tVNVK-R8qL7AsqhJ2CZWWhc01UmieuJ4w3oaJsG5rdrw/edit?usp=sharing - Key: https://docs.google.com/presentation/d/1nT7uBgD0uEfOuLy1v3U4V3PRLv91gDurYRPdy	Curriculum: Mystery Science Day 1: Opening Video Day 2: Activity Day 3: Add Notes: Earth's rotation creates day and night Earth's revolution around the sun creates seasons and change in stars. *Finish Video discussion about the north star Day 4: Edpuzzle Day 5: Assessment Material: Mystery Science Online & Assessments Student Readers (English & Spanish Carolina

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		naUmws/edit?usp=sharing	Science Kits) Play videos to introduce 4 spheres: https://www.youtubecom/watch?v=VMxjzWHbyFM (PArt 1 Geo and Bio) https://www.youtube.com/watch?v=UXh_7wb nS3A (Part 2 Hydro and Atmos) Additional Materials (optional) 4 Stations w/trade books (Not available at Harker school)-Geosphere, Hydrosphere, Atmosphere, Biosphere, Create Flip Books from copier paper in Advance and distribute to each student. Students will define academic vocab and design their flip book pages. http://eschooltoday.com/earth-system/what-is-earth-systems-thinking.html https://www.youtube.com/watch?v=HurK-1rrdb8&list=PLvhCUXmv1KwKI1YdSbQ0tAg3XUY18mQ7Z www.ducksters.com/science/atmosphere.php , www.youtube.com/watch?v=5sg9sCOXFlk TPT layers of the atmosphere template. Students will read 3 Readworks non-fiction articles, summarize, RACER, and peer edit their work. Their final copy will be submitted via google doc. Readworks "Earth's Atmosphere: The Mesosphere", "Earth's Atmosphere: The Thermosphere", "Earth's Atmosphere: The Troposphere" https://www.readworks.org/find-content#!q:atmosphere/g:21/t:12/f:0/pt:A/sr:false/features/ TPT Water Filter challenge (Google Drive) :
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Week 8: Lesson 5: Why does the Moon change shape?	5-ESS1-2. Represent data in graphical displays to reveal patterns of daily changes in length and direction of shadows, day and night, and the night sky.	Obj. We are learning to: - I can represent data in graphical displays to reveal patterns of daily changes in length and direction of shadows, day and night and the night sky. Suggested Formative Assessment(s): - Test: https://docs.google.com/presentation/d/1tVNVK-R8qL7AsqhJ2CZWWhc01UmieuJ4w3oaJsG5rdrw/edit?usp=sharing - Key: https://docs.google.com/presentation/d/1nT7uBgD0uEfOuLy1v3U4V3PRLv91gDurYRPdyNaUmws/edit?usp=sharing	Curriculum: Mystery Science Day 1: Opening Video Day 2: Activity Day 3: Cut and paste Day 4: Oreo activity Day 5: Generation Genius: Moon Phases & Google Form Day 6: Test Materials: Mystery Science Online & Assessments Student Readers (English & Spanish Carolina Science Kits) Play videos to introduce 4 spheres: https://www.youtube.com/watch?v=VMxjzWHbyFM (Part 1 Geo and Bio) https://www.youtube.com/watch?v=UXh_7wbN3A (Part 2 Hydro and Atmos) Additional Materials (optional) 4 Stations w/trade books (Not available at Harker school)-Geosphere, Hydrosphere, Atmosphere, Biosphere, Create Flip Books from copier paper in Advance and distribute to each student. Students will define academic vocab and design their flip book pages. http://eschooltoday.com/earth-system/what-is-earth-systems-thinking.html https://www.youtube.com/watch?v=HurK-1r

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Week 9: Lesson 1: How can the Sun help us explore other planets?	5-ESS1-1. Support an argument that differences in the apparent brightness of the sun compared to other stars is due to their relative distances from Earth.	Obj. We are learning to: - I can support an argument that differences in the apparent brightness of the sun compared to other stars is due to their relative distances from Earth. Suggested Formative Assessment(s): - Test: https://docs.google.com/presentation/d/1tVNVK-R8qL7AsqhJ2CZWWhc01UmieuJ4w3oaJsG5rdrw/edit?usp=sharing - Key: https://docs.google.com/presentation/d/1n	Curriculum: Mystery Science Day 1: Opening Day 2: Make the model Day 3: Experiment Day 4: Assessment Material: Mystery Science Online & Assessments Student Readers (English & Spanish Carolina Science Kits) Play videos to introduce 4 spheres: https://www.youtube.com/watch?v=VMxjzWHbyFM (PART 1 Geo and Bio)

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			Better Lessons Online Plans & Activities
Week 10: Lesson 2: Why is gravity different on other planets?	5-PS2-1. Support an argument that the gravitational force exerted by Earth on objects is directed down.	Obj. We are learning to: - I can support an argument that the gravitational force exerted by Earth on objects is directed down. Suggested Formative Assessment(s): - Test: https://docs.google.com/presentation/d/1tVNVK-R8qL7AsqhJ2CZWhc01UmieuJ4w3oaj_sG5rdrw/edit?usp=sharing - Key: https://docs.google.com/presentation/d/1nT7uBgD0uEfOuLy1v3U4V3PRLv91gDurYRPdy_naUmws/edit?usp=sharing	Curriculum: Mystery Science Day 1: Opener and review lab Day 2: Jump 1 & Jump 2; Go to the hallway near the gym: Use tape instead of post it notes next year Day 3: Complete the chart and graph Day 4: Assessment Material: Mystery Science Online & Assessments Student Readers (English & Spanish Carolina Science Kits) Play videos to introduce 4 spheres: https://www.youtube.com/watch?v=VMxjzWHbyFM (Part 1 Geo and Bio) https://www.youtube.com/watch?v=UXh_7wb_nS3A (Part 2 Hydro and Atmos) Additional Materials (optional) 4 Stations w/trade books (Not available at Harker school)-Geosphere, Hydrosphere, Atmosphere, Biosphere, Create Flip Books from copier paper in Advance and distribute to each student. Students will define academic vocab and design their flip book pages. http://eschooltoday.com/earth-system/what-is-earth-systems-thinking.html https://www.youtube.com/watch?v=HurK-1rrdb8&list=PLvhCUXmv1KwKI1YdSbQ0tAg3XUY18mQ7Z www.ducksters.com/science/atmosphere.php , www.youtube.com/watch?v=5sg9sCOXFlk TPT layers of the atmosphere template.

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			Students will read 3 Readworks non-fiction articles, summarize, RACER, and peer edit their work. Their final copy will be submitted via google doc. Readworks "Earth's Atmosphere: The Mesosphere", "Earth's Atmosphere: The Thermosphere", "Earth's Atmosphere: The Troposphere" https://www.readworks.org/find-content#!q:atmosphere/g:21/t:12/f:0/pt:A/sr:false/features/ TPT Water Filter challenge (Google Drive) : https://www.youtube.com/watch?v=FFhrwmY6Yb0, https://www.youtube.com/watch?v=oaQCiwzjnCM: Better Lessons Online Plans & Activities
Week 11: Review & Unit Test	5-PS2-1 5-ESS1-1 5-ESS1-2 5-ESS2-1 5-ESS2-2	Obj. We are learning to: • I can represent data in graphical displays to reveal patterns of daily changes in length and direction of shadows, day and night and the night sky. • I can support an argument that the gravitational force exerted by Earth on objects is directed down. • I can support an argument that differences in the apparent brightness of the sun compared to other stars is due to their relative distances from Earth. Suggested Formative Assessment(s): • Test: https://docs.google.com/presentation/d/1tVNVK-R8qL7AsqhJ2CZWhc01UmieuJ4w3oalSG5rdrw/edit?usp=sharing	Curriculum: Mystery Science Review Concepts Material: Genius Generation: 5-PS2-1 Balanced & Unbalanced Forces 5-ESS1-1 Sun and Other Stars 5-ESS1-2 Earth's Orbit and Rotation 5-ESS2-2 Water Quality & Distribution 5-ESS2-1 Water Cycle: Interaction of Earth's Sphere Mystery Science Online & Assessments Student Readers (English & Spanish Carolina Science Kits) Play videos to introduce 4 spheres: https://www.youtube.com/watch?v=VMxjzWH

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		Key: https://docs.google.com/presentation/d/1nT7uBgD0uEfOuLy1v3U4V3PRLv91gDurYRPdyNaUmws/edit?usp=sharing	byFM (Part 1 Geo and Bio) https://www.youtube.com/watch?v=UXh_7wbN3SA (Part 2 Hydro and Atmos) Additional Materials (optional) 4 Stations w/trade books (Not available at Harker school)-Geosphere, Hydrosphere, Atmosphere, Biosphere, Create Flip Books from copier paper in Advance and distribute to each student. Students will define academic vocab and design their flip book pages. http://eschooltoday.com/earth-system/what-is-earth-systems-thinking.html https://www.youtube.com/watch?v=HurK-1rrdb8&list=PLvhCUXmv1KwKI1YdSbQ0tAg3XUY18mQ7Z www.ducksters.com/science/atmosphere.php , www.youtube.com/watch?v=5sg9sCOXFlk TPT layers of the atmosphere template. Students will read 3 Readworks non-fiction articles, summarize, RACER, and peer edit their work. Their final copy will be submitted via google doc. Readworks "Earth's Atmosphere: The Mesosphere", "Earth's Atmosphere: The Thermosphere", "Earth's Atmosphere: The Troposphere" https://www.readworks.org/find-content#lq:atmosphere/g:21/t:12/f:0/pt:A/sr:false/features/ TPT Water Filter challenge (Google Drive) : https://www.youtube.com/watch?v=FFhrwmY6Yb0, https://www.youtube.com/watch?v=oaQCiw
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			zInCM: Better Lessons Online Plans & Activities
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[Link to Additional Components including Cross Curricular Connections, Accommodations, Assessments, Etc
ELA Enduring Understanding Statements](#)