

**Course: Earth/Space Science (Regular and Honors)**

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**Technology Support/Content: n/a**

| Week 1                | Day 1  | Day 2  | Day 3  | Day 4  | Day 5   |
|-----------------------|--|--|--|--|---|
| Lesson/Topic:         | Ocean currents and influence on Climate  | Waves & Tides Review   | Plate Tectonics and the Ocean Floor Review   | Space  | Star Evolution  |
| Resource:             | <a href="#">TED-Ed How do Ocean Currents Work?</a>   | <a href="#">Neil deGrasse Tyson Explains Tides</a>   | <a href="#">Slab Pull on the Plates explained</a>  | <a href="#">NASA Hubble Constellations</a>   | <a href="#">Life and Death of Stars</a>   |
| Task:                 | <p>Watch the <a href="#">TED-Ed How do Ocean Currents Work?</a> and pause to take notes. Extend your learning with this <a href="#">NASA video on the interactions of Weather and Climate</a> Then check out this <a href="#">LIVE view of the wind and sea surface on Earth</a>. <i>What do you think would happen if any of the main ocean currents stopped or changed direction?</i> Write your response and share with your class in discussion.</p> | <p>Watch <a href="#">Neil deGrasse Tyson Explains Tides</a> and note how that explanation might be different from how you previously understood Tides. Watch <a href="#">What causes Waves?</a> Take notes.</p> <p>Bonus: watch these <a href="#">ships navigate through HUGE waves!</a></p> | <p>Watch the video above on Slab Pull; plate tectonics. <i>Does this differ from how you have been taught this in the past? How does this change your understanding of Earthquakes?</i> <a href="#">What about the deepest place on Earth? (7Miles)</a> Watch this <a href="#">NatGeo Documentary</a> if you have more time.</p> | <p>Watch the NASA Hubble Constellations video and take note on the constellations that are visible in March. Then proceed to the <a href="#">mission page here</a>: and the <a href="#">research proposal here</a>: (challenging) Summarize what the Hubble mission is in your own words. Bonus: <a href="#">Approaching Light Speed?! Interplanetary Superhighway</a></p> | <p>Watch the <a href="#">Life and Death of Stars</a> video and be sure to pause to take notes on the sizes, masses, types, origins and elemental sources of stars.</p> <p>Bonus: <a href="#">Star Size Comparison</a></p> <p><a href="#">VFX True Scale of Stars</a></p> <p>Paragraph Response: <i>How does this change your sense of the size of the Universe?</i></p> |
| Recommended Duration: | 45 minutes – 1 hour  | 45 minutes – 1 hour  | 45 minutes – 1 hour  | 45 minutes – 1 hour  | 45 minutes – 1 hour   |