Laarman Lesson Plan

Class: Earth Science Unit: Space Standards: ESS1-3, ESS1.B

Topic: Aliens Date: 9/26/16

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| **Materials, Prep** | Aliens PowerPoint |
| **Procedure**  | 1. Consensogram: Does intelligent life exist elsewhere?
2. Aliens PowerPoint: The Drake Equation and The Rare Earth Hypothesis
3. Consensogram again, seeing if opinions changed
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Topic: The Formation of the Solar System Date: 9/27/16

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| **Procedure**  | Silent Debate Activity: Does intelligent life exist elsewhere in the universe? |

Topic: The Night Sky Date: 9/28/16

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| **Materials, Prep** | The Night Sky Multimedia |
| **Anticipatory Set****-connection, motivation, relevance** | When you look up at the night sky, what do you see? What are you really looking at? Where are these objects? |
| **Procedure**  | Multimedia: The Night Sky* Use model of the celestial sphere: as the Earth rotates, what we see from our point of view changes
	+ So stars will “rise” and “set” from our point of view
* Using the Stellarium program:
	+ Watch patterns in the night sky over a few nights: what are you looking at?
	+ Look at the path of the Sun at different times of the year and from different points on Earth’s surface
* Students explain: why does the path of the Sun change? Why do we have different seasons?
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Topic: Space Review Date: 9/29/16

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| **Materials, Prep** | Space Review Multimedia |
| **Procedure**  | Interactive Review: Space |
| **Homework** | Quiz Wednesday |

Topic: Space Quiz Date: 9/30/16

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| **Materials, Prep** | Space Quiz |
| **Procedure**  | Quiz: Space |