# Foster Heights Space related educational activities

| | Science | Math | Language Arts | Reading | Social Studies 5 Themes of Geography Cape Canaveral | Related Arts- Music |
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| Day 1 and 2 | (Shadows) The student will describe how shadows are formed.<br><br>(Sun) The student will identify the role of gravity, (force) and describe its importance to our solar system. | (Radius/Diameter/Circumference) The student will measure a circle to determine the radius, diameter, and circumference. | (Writing Process) The student will use a graphic organizer to compose a letter to an astronaut.<br><br>The student will use the writing process to complete a writing piece.<br><br>(Spelling Words- The whole Unit) | (Word Relationships) The student will use what they know about word relationships to help read and understand unknown words.<br><br>(Context Clues) The student will use context to confirm meanings of unknown words. | (Location) The student will use relative and absolute location to identify a position. | The student will listen and respond to Gustiv Holst's "The Planets", a Symphony inspired by the study of astrology. |

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| | | | The student will study words that relate to space. | | | |
| Day 3 and 4 | (Rotations/Orbits/Revolutions)<br>The student will identify and describe Earth's movement and its movement around the sun. | (Area and Perimeter of a Polygon)<br>The student will calculate area and perimeter of a polygon. | (Writing Process)<br>The student will use the "Four-Square" to compose a letter to an astronaut. | (Author's Purpose)<br>The student will identify the author's purpose of a passage.<br><br>(Verbs)<br>The student will write using the correct verb tense. | (Place)<br>The student will describe the physical and human characteristics of a location. | |
| Day 5 and 6 | (Seasons)<br>The student will express how the seasons change by the position of Earth. | (Variables and Algebraic Expressions)<br>The student will use a variable in algebraic expressions and solve for the variable.<br>(Planet distance from the Sun) | (Writing Process)<br>The student will use the "Four-Square" to compose a | (Facts and Opinions)<br>The student will identify facts in a written passage. | (Human-Environment Interaction)<br>The student will consider how humans have adapted or modified | |

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| | | | letter to an astronaut | | the environment) | |
| Day 7 and 8 | (Moon)<br>The student will describe the observable changes of the moon. | (Units of Measurement)<br>The student will be introduced to units of measurement. | (Poetry)<br>The student will work in pairs to research facts about a planet. | (Text Features)<br>The student will locate text features in a passage. | (Movement)<br>The student will determine why humans move to a particular location. | |
| Day 9 and 10 | (Objects in our Solar System)<br>The student will point out and compare objects in our solar system. | (Converting Units of Measurement)<br><br>The student will convert units of measurement within the same unit of measure. | The student will recognize figurative language in text.<br><br>The student will apply figurative language in their planet poem. | | (Region)<br>The student will compare and contrast regions of the United States. | |

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| | | | The student will compose a free rhyme poem based on their planet's facts. | | | |
| Day 11 and 12 | (Electrical Circuits)<br>The student will create a closed circuit.<br><br>(Light)-stars and telescopes<br>The student will describe light using the terms reflection and refraction. | (Measuring)<br>The student will measure to the nearest 1/8 of an inch to determine length, area, perimeter, and volume. | The student will compose a Solar System couplet poem as a class. | | | |

For the students who will get to talk to the astronaut- Essay Contest and Poster Contest (Top Five from Each) total of ten, with the theme SPACE!