

## To the Moon and Beyond

### Correlation to National Science Education Standards:

<b>National Standards to which this program aligns</b>	<p><b>National</b> <b><u>K-4</u></b> <u>Physical Science: B</u> * Position and Motion of objects: location relative to other objects, motion over time, position can be changed</p> <p><u>Earth and Space Science: D</u> * Objects in the sky: property, location and movement, sun provide light and heat * Changes in the earth and sky: observable shape of the moon</p> <p><b><u>5-8</u></b> <u>Physical Science: B</u> * Motions and Forces: describe by position, direction, and speed, force and constant speed, * Transfer of Energy: sun major source of energy</p> <p><u>Earth and Space: D</u> * Earth in the solar system: third planet of eight planets, regular and predictable motion, gravity, sun is major source of energy</p>
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### MISSOURI GRADE LEVEL EXPECTATION:

#### 3<sup>rd</sup> Grade:

Strand 1 Matter and Energy: 2Ca

Strand 6 Universe: 1Aa, 1Ab, 2Bb, 2Ca

#### 4<sup>th</sup> Grade:

Strand 2 Force and Motion: 1Ab

#### 5<sup>th</sup> Grade:

Strand 1 Matter and Energy: 2Ab

Strand 6 Universe: 1Aa, 1Ab, 1Ba, 2Ba, 2Ca

#### 6<sup>th</sup> Grade:

Strand 1 Matter and Energy: 2Cb

Strand 7 Scientific Inquiry (postlab only): 1Aa, 1Ac

#### 7<sup>th</sup> Grade:

Strand 2 Force and Motion: 2Bc

Strand 5 Earth Systems: 1Cb

Strand 6 Universe: 1Ab, 1Ba, 1Bb, 2Ca, 2Cc, 2Cd, 2Cf, 2Da, 2Db, 2Dc, 2Bd, 2Bf

Strand 7 Scientific Inquiry (postlab only): 1Aa, 1Ac, 1Ad

#### 8<sup>th</sup> Grade:

Strand 7 Scientific Inquiry (postlab only): 1Aa, 1Ac, 1Ad