

Fifth Grade Science Rubric

Earth and Space Science

	SN	P	M
<p>Describe the solar system including the characteristics of planets, stars, and the sun.</p>	<p>Does not complete and/or requires full support and guidance with activities.</p> <p>Demonstrates limited and/or inconsistent ability to describe characteristics of planets, stars, and the sun.</p>	<p>Partially completes and/or completes activities with support and guidance</p> <p>Demonstrates a developing ability to describe characteristics of planets, stars, and the sun.</p>	<p>Independently completes activities.</p> <p>Consistently describes the solar system including the characteristics of planets, stars and the sun.</p>
<p>Explain the cycle and patterns of motion between Earth and the sun.</p>	<p>Does not complete and/or requires full support and guidance with activities.</p> <p>Demonstrates limited and/or inconsistent ability to explain the cycle and patterns of motion between Earth and the sun.</p>	<p>Partially completes and/or completes activities with support and guidance</p> <p>Demonstrates a developing ability to explain the cycle and patterns of motion between Earth and the sun.</p>	<p>Independently completes activities.</p> <p>Consistently explains the cycle and patterns of motion between the Earth and the sun.</p>

Life Science

SN

P

M

Explain how producers transform energy so it can be used and pass from organism to organism.

Does not complete and/or requires full support and guidance with activities.

Partially completes and/or completes activities with support and guidance.

Independently completes activities.

Demonstrates limited and/or inconsistent ability to explain how producers transform energy so it can be used and pass from organism to organism.

Demonstrates a developing ability to explain how producers transform energy so it can be used and pass from organism to organism.

Consistently explains how producers transform energy so it can be used and pass from organism to organism.

Understand that organisms perform a variety of roles and have relationships within an ecosystem.

Does not complete and/or requires full support and guidance with activities.

Partially completes and/or completes activities with support and guidance.

Independently completes activities.

Demonstrates limited and/or inconsistent ability to understand that organisms perform a variety of roles and have relationships within an ecosystem.

Demonstrates a developing understanding that organisms perform a variety of roles and have relationships within an ecosystem.

Consistently understand that organisms perform a variety of roles and have relationships within an ecosystem.

Physical Science

	SN	P	M
<p>Explain that motion of an object is based on mass and force.</p>	<p>Does not complete and/or requires full support and guidance with activities.</p> <p>Demonstrates limited and/or inconsistent ability to explain that motion of an object is based on mass and force.</p>	<p>Partially completes and/or completes activities with support and guidance</p> <p>Demonstrates a developing ability to explain that motion of an object is based on mass and force.</p>	<p>Independently completes activities.</p> <p>Consistently explains the motion of an object is based on mass and force.</p>
<p>Explain how sound is produced by vibrating objects, travels through a medium, and its pitch is related to the speed of vibration.</p>	<p>Does not complete and/or requires full support and guidance with activities.</p> <p>Demonstrates limited and/or inconsistent ability to explain how sound is produced by vibrating objects, travels through a medium, and its pitch is related to the speed of vibration.</p>	<p>Partially completes and/or completes activities with support and guidance</p> <p>Demonstrates a developing ability to explain how sound is produced by vibrating objects, travels through a medium, and its pitch is related to the speed of vibration.</p>	<p>Independently completes activities.</p> <p>Consistently explains explain how sound is produced by vibrating objects, travels through a medium, and its pitch is related to the speed of vibration.</p>
<p>Understand that light travels and maintains its direction until it reaches an object or moves from one medium to another and then it can be reflected,</p>	<p>Does not complete and/or requires full support and guidance with activities.</p> <p>Demonstrates limited and/or inconsistent understanding</p>	<p>Partially completes and/or completes activities with support and guidance.</p> <p>Demonstrates a developing understanding that light</p>	<p>Independently completes activities.</p> <p>Consistently understands that light travels and maintains its direction until it reaches an</p>

refracted or absorbed.	that light travels and maintains its direction until it reaches an object or moves from one medium to another and then it can be reflected, refracted or absorbed.	travels and maintains its direction until it reaches an object or moves from one medium to another and then it can be reflected, refracted or absorbed.	object or moves from one medium to another and then it can be reflected, refracted or absorbed.
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Science Inquiry and Application

	SN	P	M
Uses and applies inquiry skills and scientific method procedures.	<p>Does not complete and/or requires full support and guidance with activities.</p> <p>Demonstrates a limited and/or inconsistent use and application of inquiry skills and scientific method procedures.</p>	<p>Partially completes and/or completes activities with support and guidance.</p> <p>Demonstrates developing use and application of inquiry skills and scientific method procedures.</p>	<p>Independently completes activities.</p> <p>Consistently uses and applies inquiry skills and scientific method procedures.</p>

Definitions	
Consistent Ability	90 - 100%
Developing Ability	75 – 89%
Limited and/or Inconsistent Ability	0 - 74%