

# Science DesCartes: Concepts and Processes – Nature of Science

## Skills: Understand Systems, Order, and Organization

<b>Students:</b>	<b>DesCartes Skills:</b> (Highlight the skills related to your chosen standard/concept)
	<b>RIT 231-240:</b> <ul style="list-style-type: none"> <li>Understands that ordering sets of objects requires characteristics that have multiple forms (e.g., height, but not right/left-handedness)</li> </ul>
	<b>RIT 221-230:</b> <ul style="list-style-type: none"> <li>Gives examples of inputs and outputs of systems</li> </ul>
	<b>RIT 211-220:</b> <ul style="list-style-type: none"> <li>Classifies an example of parts that work together as a system</li> <li>Understands that adding or removing components of systems will cause changes to those systems</li> <li>Understands that interacting components of systems affect each other</li> </ul>
	<b>RIT 201-210:</b> <ul style="list-style-type: none"> <li>Explains why an object or collection of objects is a system</li> <li>Classifies an example of parts that work together as a system</li> <li>Describes characteristics used to order sets of objects or events</li> <li>Compares characteristics used to order sets of objects or events</li> <li>Understands that when components of systems interact, change occurs</li> <li>Understands that interaction may occur across a distance, without components physically touching</li> </ul>
	<b>RIT 191-200:</b> <ul style="list-style-type: none"> <li>Describes characteristics used to order data shown tables</li> <li>Orders steps of familiar procedures</li> <li>Understands that when components of systems interact, change occurs</li> <li>Gives examples of interacting components</li> </ul>
	<b>RIT 181-190:</b> <ul style="list-style-type: none"> <li>Understands that each part of a system (term not used) has a different function</li> <li>Infers the part of a given system that has been removed</li> <li>Orders steps of familiar procedures</li> <li>Orders objects to show levels of organization (simple to complex)</li> </ul>
	<b>RIT 171-180:</b> <ul style="list-style-type: none"> <li>Describes the part that is missing from a diagram of a real-life system</li> <li>Selects the part that will turn a specific collection of components into a system</li> <li>Describes the component(s) of a given system that perform(s) a given role</li> <li>Orders objects and events</li> </ul>
	<b>RIT Below 171:</b> <ul style="list-style-type: none"> <li>Recognizes examples of systems (term not used) and their parts</li> </ul>

**Lesson Title:**

**Standard/Concept for All:**

**Introduction:** (Get Attention; Connect to Prior Knowledge)

**For Students Ready for a Challenge:**

Lesson/Activity:

Resources:

Means of Assessment:

**For Most Students:**

Lesson/Activity:

Resources:

Means of Assessment:

**For Students Needing Extra Support:**

Lesson/Activity:

Resources:

Means of Assessment:

**Closure/Summary for All:**

