

<b>Title: Where'd They Get That Idea?</b>		<b>Alignment to NY Science Standards</b>
<b>Lesson Number</b>	<b>Lesson Title</b>	<a href="http://www.emsc.nysed.gov/ciai/mst/sci/documents/intersci.pdf">http://www.emsc.nysed.gov/ciai/mst/sci/documents/intersci.pdf</a>
Lesson 1	The Orientation Class	An appropriate alignment is not available for this lesson.
Lesson 2	Money Makes Cares	An appropriate alignment is not available for this lesson.
Lesson 3	How Long Could You Observe a Stinky Fish	An appropriate alignment is not available for this lesson.
Lesson 4	Are These Figures the Same?	An appropriate alignment is not available for this lesson.
Lesson 5	Why Does a Ball Keep Moving After You Throw It?	5.1a The motion of an object is always judged with respect to some other object or point. The idea of absolute motion or rest is misleading. 5.1b The motion of an object can be described by its position, direction of motion, and speed. 5.1c An object's motion is the result of the combined effect of all forces acting on the object. A moving object that is not subjected to a force will continue to move at a constant speed in a straight line. An object at rest will remain at rest. 5.1d Force is directly related to an object's mass and acceleration. The greater the force, the greater the change in motion. 5.2a Every object exerts gravitational force on every other object. Gravitational force depends on how much mass the objects have and on how far apart they are. Gravity is one of the forces acting on orbiting objects and projectiles.
Lesson 6	How Straight Is Straight?	An appropriate alignment is not available for this lesson.
Lesson 7	How Does a Scientist Think?	S1.1 Formulate questions independently with the aid of references appropriate for guiding the search for explanations of everyday observations. S1.3 Represent, present, and defend their proposed explanations of everyday observations so that they can be understood and assessed by others. S1.4 Seek to clarify, to assess critically, and to reconcile with their own thinking the ideas presented by others, including peers, teachers, authors, and scientists. S2.1 Use conventional techniques and those of their own design to make further observations and refine their explanations, guided by a need for more information.
Lesson 8	Do You Like Mathematics?	An appropriate alignment is not available for this lesson.
Lesson 9	Does the Universe Ever End?	S1.1 Formulate questions independently with the aid of references appropriate for guiding the search for explanations of everyday observations. S1.3 Represent, present, and defend their proposed explanations of everyday observations so that they can be understood and assessed by others. S1.4 Seek to clarify, to assess critically, and to reconcile with their own thinking the ideas presented by others, including peers, teachers, authors, and scientists. S2.1 Use conventional techniques and those of their own design to make further observations and refine their explanations, guided by a need for more information.

Lesson 10	Why Do We Study Math?	An appropriate alignment is not available for this lesson.
Lesson 11	Symmetry: Can You Prove It?	An appropriate alignment is not available for this lesson.
Lesson 12	Should Scientists Experiment on Animals?	S1.1 Formulate questions independently with the aid of references appropriate for guiding the search for explanations of everyday observations. S1.3 Represent, present, and defend their proposed explanations of everyday observations so that they can be understood and assessed by others. S1.4 Seek to clarify, to assess critically, and to reconcile with their own thinking the ideas presented by others, including peers, teachers, authors, and scientists. S2.1 Use conventional techniques and those of their own design to make further observations and refine their explanations, guided by a need for more information.
Lesson 13	Is That Reason Enough?	4.4b Light passes through some materials, sometimes refracting in the process. Materials absorb and reflect light, and may transmit light. To see an object, light from that object, emitted by or reflected from it, must enter the eye.
Lesson 14	How Big Is Infinity?	An appropriate alignment is not available for this lesson.
Lesson 15	Why Do I Have To Prove It?	An appropriate alignment is not available for this lesson.
Lesson 16	Will the Sun Rise Tomorrow?	An appropriate alignment is not available for this lesson.
Lesson 17	Are Scientists Responsible for Their Inventions?	S1.1 Formulate questions independently with the aid of references appropriate for guiding the search for explanations of everyday observations. S1.3 Represent, present, and defend their proposed explanations of everyday observations so that they can be understood and assessed by others. S1.4 Seek to clarify, to assess critically, and to reconcile with their own thinking the ideas presented by others, including peers, teachers, authors, and scientists. S2.1 Use conventional techniques and those of their own design to make further observations and refine their explanations, guided by a need for more information.
Lesson 18	Do Triangles Really Exist?	An appropriate alignment is not available for this lesson.