

Courage to Soar			
2000 Science			
Academic Standards			
Indiana Science			
Grade 3			
Activity/Lesson	State	Standards	
Kite Flight	IN	SCI.3.3.2.1	Add and subtract whole numbers mentally, on paper, and with a calculator.
Kite Flight	IN	SCI.3.3.2.7	Ask "How do you know?" in appropriate situations and attempt reasonable answers when others ask the same question.
Aviation Pioneers	IN	SCI.3.3.1.6	Give examples of how tools, such as automobiles, computers, and electric motors, have affected the way we live.
Having the Right Stuff	IN	SCI.3.3.1.7	Recognize that and explain how an invention can be used in different ways, such as a radio being used to get information and for entertainment.
Flying a Styrofoam Plane	IN	SCI.3.3.1.1	Recognize and explain that when a scientific investigation is repeated, a similar result is expected.
Looking for Answers:A research project	IN	SCI.3.3.1.5	Demonstrate the ability to work cooperatively while respecting the ideas of others and communicating one's own conclusions about findings.
Looking for Answers:A research project	IN	SCI.3.3.2.3	Keep a notebook that describes observations and is understandable weeks or months later.
The Four Forces of Flight	IN	SCI.3.3.1.1	Recognize and explain that when a scientific investigation is repeated, a similar result is expected.
Controlling the Plane	IN	SCI.3.3.2.1	Add and subtract whole numbers mentally, on paper, and with a calculator.
Courage to Soar			
2000 Science			
Academic Standards			
Indiana Science			
Grade 4			
Activity/Lesson	State	Standards	
Kite Flight	IN	SCI.4.4.1.4	Describe how people all over the world have taken part in scientific investigation for many centuries.
Kite Flight	IN	SCI.4.4.2.6	Support statements with facts found in print and electronic media, identify the sources used, and expect others to do the same.

Soaring Higher	IN	SCI.4.4.1.3	Explain that clear communication is an essential part of doing science since it enables scientists to inform others about their work, to expose their ideas to evaluation by other scientists, and to allow scientists to stay informed about scientific discoveries around the world.
Soaring Higher	IN	SCI.4.4.1.4	Describe how people all over the world have taken part in scientific investigation for many centuries.
The Flight Timeline	IN	SCI.4.4.2.6	Support statements with facts found in print and electronic media, identify the sources used, and expect others to do the same.
Aviation Pioneers	IN	SCI.4.4.1.3	Explain that clear communication is an essential part of doing science since it enables scientists to inform others about their work, to expose their ideas to evaluation by other scientists, and to allow scientists to stay informed about scientific discoveries around the world.
Aviation Pioneers	IN	SCI.4.4.1.4	Describe how people all over the world have taken part in scientific investigation for many centuries.
Aviation Pioneers	IN	SCI.4.4.2.6	Support statements with facts found in print and electronic media, identify the sources used, and expect others to do the same.
Having the Right Stuff	IN	SCI.4.4.1.4	Describe how people all over the world have taken part in scientific investigation for many centuries.
Having the Right Stuff	IN	SCI.4.4.1.8	Recognize and explain that any invention may lead to other inventions.
Looking for Answers:A research project	IN	SCI.4.4.1.3	Explain that clear communication is an essential part of doing science since it enables scientists to inform others about their work, to expose their ideas to evaluation by other scientists, and to allow scientists to stay informed about scientific discoveries around the world.
Looking for Answers:A research project	IN	SCI.4.4.2.6	Support statements with facts found in print and electronic media, identify the sources used, and expect others to do the same.
The Matter of Air	IN	SCI.4.4.6.3	Recognize that and describe how changes made to a model can help predict how the real thing can be altered.
The Four Forces of Flight	IN	SCI.4.4.3.12	Investigate, observe, and explain that heat is produced when one object rubs against another, such as one's hands rubbing together.
Controlling the Plane	IN	SCI.4.4.6.3	Recognize that and describe how changes made to a model can help predict how the real thing can be altered.

Courage to Soar			
2000 Science			
Academic Standards			
Indiana Science			
Grade 5			
Activity/Lesson	State	Standards	
Kite Flight	IN	SCI.5.5.1.3	Explain that doing science involves many different kinds of work and engages men, women, and children of all ages and backgrounds.
Kite Flight	IN	SCI.5.5.2.1	Multiply and divide whole numbers mentally, on paper, and with a calculator.
Kite Flight	IN	SCI.5.5.5.7	Explain that predictions can be based on what is known about the past, assuming that conditions are similar.
Soaring Higher	IN	SCI.5.5.1.3	Explain that doing science involves many different kinds of work and engages men, women, and children of all ages and backgrounds.
Soaring Higher	IN	SCI.5.5.3.12	Explain that objects move at different rates, with some moving very slowly and some moving too quickly for people to see them.
Soaring Higher	IN	SCI.5.5.5.9	Show how spreading data out on a number line helps to see what the extremes are, where they pile up, and where the gaps are.
Aviation Pioneers	IN	SCI.5.5.1.3	Explain that doing science involves many different kinds of work and engages men, women, and children of all ages and backgrounds.
Aviation Pioneers	IN	SCI.5.5.1.5	Explain that technology extends the ability of people to make positive and/or negative changes in the world.
Having the Right Stuff	IN	SCI.5.5.1.3	Explain that doing science involves many different kinds of work and engages men, women, and children of all ages and backgrounds.
Having the Right Stuff	IN	SCI.5.5.1.5	Explain that technology extends the ability of people to make positive and/or negative changes in the world.
Looking for Answers:A research project	IN	SCI.5.5.5.8	Realize and explain that predictions may be more accurate if they are based on large collections of objects or events.
Looking for Answers:A research project	IN	SCI.5.5.5.10	Explain the danger in using only a portion of the data collected to describe the whole.
The Matter of Air	IN	SCI.5.5.5.7	Explain that predictions can be based on what is known about the past, assuming that conditions are similar.
The Four Forces of Flight	IN	SCI.5.5.3.13	Demonstrate that Earth's gravity pulls any object toward it without touching it.

The Four Forces of Flight	IN	SCI.5.5.5.7	Explain that predictions can be based on what is known about the past, assuming that conditions are similar.
Controlling the Plane	IN	SCI.5.5.2.1	Multiply and divide whole numbers mentally, on paper, and with a calculator.
Controlling the Plane	IN	SCI.5.5.5.7	Explain that predictions can be based on what is known about the past, assuming that conditions are similar.
Controlling the Plane	IN	SCI.5.5.5.8	Realize and explain that predictions may be more accurate if they are based on large collections of objects or events.