

Aeronautics Educator Guide

2007 Science

Curriculum Standards

Kansas Science			
Grades K-2			
Activity/Lesson	State	Standards	
Air Engines (12-16)	KS	SCI.K-2.1.1.4	asks and answers questions about objects, organisms, and events in his/her environment.
Air Engines (12-16)	KS	SCI.K-2.1.1.5	describes an observation orally or pictorially.
Air Engines (12-16)	KS	SCI.K-2.2.1.1	observes properties of objects and measures or describes those properties using age-appropriate tools and materials.
Air Engines (12-16)	KS	SCI.K-2.2.1.4	describes the position of an object in relation to other objects.
Air Engines (12-16)	KS	SCI.K-2.4.3.1	observes changes in the weather from day to day.
Rotor Motor (69-75)	KS	SCI.K-2.1.1.4	asks and answers questions about objects, organisms, and events in his/her environment.
Making Time Fly (80-86)	KS	SCI.K-2.7.1.2	uses technology to learn about people in science.
Where is North? The Compass Can Tell Us (87-90)	KS	SCI.K-2.1.1.4	asks and answers questions about objects, organisms, and events in his/her environment.
Dunked Napkin (17-22)	KS	SCI.K-2.1.1.3	uses appropriate materials, tools, and safety procedures to collect information.
Dunked Napkin (17-22)	KS	SCI.K-2.1.1.4	asks and answers questions about objects, organisms, and events in his/her environment.
Paper Bag Mask (23-28)	KS	SCI.K-2.1.1.4	asks and answers questions about objects, organisms, and events in his/her environment.
Paper Bag Mask (23-28)	KS	SCI.K-2.2.1.1	observes properties of objects and measures or describes those properties using age-appropriate tools and materials.
Paper Bag Mask (23-28)	KS	SCI.K-2.5.1.2	experiences science through technology.
Wind in Your Socks) (29-35)	KS	SCI.K-2.1.1.3	uses appropriate materials, tools, and safety procedures to collect information.
Wind in Your Socks) (29-35)	KS	SCI.K-2.1.1.4	asks and answers questions about objects, organisms, and events in his/her environment.
Wind in Your Socks) (29-35)	KS	SCI.K-2.1.1.5	describes an observation orally or pictorially.
Wind in Your Socks) (29-35)	KS	SCI.K-2.2.1.1	observes properties of objects and measures or describes those properties using age-appropriate tools and materials.
Bag Balloons (40-43)	KS	SCI.K-2.1.1.4	asks and answers questions about objects, organisms, and events in his/her environment.
Sled Kite (44-51)	KS	SCI.K-2.1.1.4	asks and answers questions about objects, organisms, and events in his/her environment.
Sled Kite (44-51)	KS	SCI.K-2.2.1.1	observes properties of objects and measures or describes those properties using age-appropriate tools and materials.

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Curriculum Standards			
Kansas Science			
Grades 3-4			
Activity/Lesson	State	Standards	
Air Engines (12-16)	KS	SCI.3-4.1.1.1	asks questions that he/she can answer by investigating.
Air Engines (12-16)	KS	SCI.3-4.2.1.1	observes properties of objects and measures those properties using appropriate tools.
Air Engines (12-16)	KS	SCI.3-4.2.1.3	observes and records how one object interacts with another object.
Air Engines (12-16)	KS	SCI.3-4.2.2.1	moves objects by pushing, pulling, throwing, spinning, dropping, and rolling; and describes the motion.
Air Engines (12-16)	KS	SCI.3-4.2.2.2	describes the change in position of objects when moved.
Air Engines (12-16)	KS	SCI.3-4.5.2.5	investigates how scientists use tools to observe.
Air Engines (12-16)	KS	SCI.3-4.7.1.1	recognizes that students participate in science inquiry by asking questions.
Rotor Motor (69-75)	KS	SCI.3-4.1.1.1	asks questions that he/she can answer by investigating.
Rotor Motor (69-75)	KS	SCI.3-4.1.1.2	plans and conducts a simple investigation.
Rotor Motor (69-75)	KS	SCI.3-4.2.2.2	describes the change in position of objects when moved.
Rotor Motor (69-75)	KS	SCI.3-4.3.2.1	compares, contrasts, and asks questions about life cycles of various organisms.
Rotor Motor (69-75)	KS	SCI.3-4.7.1.1	recognizes that students participate in science inquiry by asking questions.
Flight: Interdisciplinary Learning Activities (76-79)	KS	SCI.3-4.1.1.2	plans and conducts a simple investigation.
Making Time Fly (80-86)	KS	SCI.3-4.7.1.2	studies the lives of people who made scientific contributions.
Where is North? The Compass Can Tell Us (87-90)	KS	SCI.3-4.1.1.1	asks questions that he/she can answer by investigating.
Where is North? The Compass Can Tell Us (87-90)	KS	SCI.3-4.1.1.2	plans and conducts a simple investigation.
Where is North? The Compass Can Tell Us (87-90)	KS	SCI.3-4.2.4.2	designs a simple experiment to determine whether various objects will be attracted to magnets.
Where is North? The Compass Can Tell Us (87-90)	KS	SCI.3-4.5.2.5	investigates how scientists use tools to observe.
Where is North? The Compass Can Tell Us (87-90)	KS	SCI.3-4.7.1.1	recognizes that students participate in science inquiry by asking questions.
Dunked Napkin (17-22)	KS	SCI.3-4.1.1.1	asks questions that he/she can answer by investigating.
Dunked Napkin (17-22)	KS	SCI.3-4.1.1.2	plans and conducts a simple investigation.

Dunked Napkin (17-22)	KS	SCI.3-4.1.1.3	employs appropriate equipment, tools, and safety procedures to gather data.
Dunked Napkin (17-22)	KS	SCI.3-4.1.1.4	begins developing the abilities to communicate, critique, analyze his/her own investigations, and interprets the work of other students.
Dunked Napkin (17-22)	KS	SCI.3-4.5.2.5	investigates how scientists use tools to observe.
Dunked Napkin (17-22)	KS	SCI.3-4.7.1.1	recognizes that students participate in science inquiry by asking questions.
Paper Bag Mask (23-28)	KS	SCI.3-4.1.1.1	asks questions that he/she can answer by investigating.
Paper Bag Mask (23-28)	KS	SCI.3-4.2.1.1	observes properties of objects and measures those properties using appropriate tools.
Paper Bag Mask (23-28)	KS	SCI.3-4.7.1.1	recognizes that students participate in science inquiry by asking questions.
Wind in Your Socks) (29-35)	KS	SCI.3-4.1.1.1	asks questions that he/she can answer by investigating.
Wind in Your Socks) (29-35)	KS	SCI.3-4.1.1.3	employs appropriate equipment, tools, and safety procedures to gather data.
Wind in Your Socks) (29-35)	KS	SCI.3-4.2.1.1	observes properties of objects and measures those properties using appropriate tools.
Wind in Your Socks) (29-35)	KS	SCI.3-4.2.1.3	observes and records how one object interacts with another object.
Wind in Your Socks) (29-35)	KS	SCI.3-4.5.2.5	investigates how scientists use tools to observe.
Wind in Your Socks) (29-35)	KS	SCI.3-4.7.1.1	recognizes that students participate in science inquiry by asking questions.
Air: Interdisciplinary Learning Activities (36-39)	KS	SCI.3-4.5.1.1	identifies a simple design problem (designs a plan, implements the plan, evaluates the results, makes changes to improve the product, and communicates the results).
Air: Interdisciplinary Learning Activities (36-39)	KS	SCI.3-4.5.2.1	will understand that the design process produces knowledge that can be used to solve a problem and improve our world.
Bag Balloons (40-43)	KS	SCI.3-4.1.1.1	asks questions that he/she can answer by investigating.
Bag Balloons (40-43)	KS	SCI.3-4.7.1.1	recognizes that students participate in science inquiry by asking questions.
Sled Kite (44-51)	KS	SCI.3-4.1.1.1	asks questions that he/she can answer by investigating.
Sled Kite (44-51)	KS	SCI.3-4.2.1.1	observes properties of objects and measures those properties using appropriate tools.
Sled Kite (44-51)	KS	SCI.3-4.7.1.1	recognizes that students participate in science inquiry by asking questions.