

Science K-4

http://www.education-world.com/standards/national/science/k_4.shtml

Problems						
Primary	1	2	3	4	5	
						<p align="center">SCIENCE AS INQUIRY</p> <p>In grades K-4, all students should:</p> <ul style="list-style-type: none"> • Develop an understanding of abilities necessary to do scientific inquiry • Develop abilities necessary to do scientific inquiry
X	X	X	X	X		
						<p>PHYSICAL SCIENCE</p> <p>In grades K-4, all students should:</p>
X	X	X	X	X		<p>Develop an understanding of</p> <ul style="list-style-type: none"> • Properties of objects and materials • Position and motion of objects • Light, heat, electricity, and magnetism
						<p>EARTH AND SPACE SCIENCE</p> <p>In grades K-4, all students should:</p>
X		X	X		X	<ul style="list-style-type: none"> • Develop an understanding of properties of earth materials
						<p>SCIENCE AND TECHNOLOGY</p> <p>In grades K-4, all students should:</p>
X	X	X	X	X	X	<p>Develop an understanding of</p> <ul style="list-style-type: none"> • Abilities of technological design • Understanding about science and technology • Abilities to distinguish between natural objects and objects made by humans
						<p>PERSONAL AND SOCIAL PERSPECTIVES</p> <p>In grades K-4, all students should:</p>
X	X	X	X	X	X	<p>Develop an understanding of</p> <ul style="list-style-type: none"> • Types of resources • Changes in environments • Science and technology in local challenges

Science 5-8

http://www.education-world.com/standards/national/science/5_8.shtml

Problems						
Primary	1	2	3	4	5	
						SCIENCE AS INQUIRY
						In grades 5-8, all students should: <ul style="list-style-type: none"> • Develop an understanding of abilities necessary to do scientific inquiry • Develop abilities necessary to do scientific inquiry
	X	X	X	X	X	PHYSICAL SCIENCE
	X	X		X		In grades 5-8, all students should:
						Develop an understanding of <ul style="list-style-type: none"> • Properties and changes of properties in matter • Motions and forces • Transfer of energy
						EARTH AND SPACE SCIENCE
						In grades 5-8, all students should:
	X	X	X	X	X	Students should develop an understanding <ul style="list-style-type: none"> • Structure of the Earth system • Earth's History • Earth in the solar system
						SCIENCE AND TECHNOLOGY
						In grades 5-8, all students should:
	X	X	X	X	X	<ul style="list-style-type: none"> • Develop an understanding of abilities of technological design
						PERSONAL AND SOCIAL PERSPECTIVES
						In grades 5-8, all students should:
	X	X	X		X	Develop an understanding of <ul style="list-style-type: none"> • Populations, resources and environments • Natural hazards • Science and technology in society

Science 9-12

http://www.education-world.com/standards/national/science/9_12.shtml

Problems							
Primary	1	2	3	4	5		
						SCIENCE AS INQUIRY	In grades 9-12, all students should:
	X	X	X	X		<ul style="list-style-type: none"> Develop an understanding of abilities necessary to do scientific inquiry Develop abilities necessary to do scientific inquiry 	
						PHYSICAL SCIENCE	In grades 9-12, all students should:
	X	X		X		Develop an understanding of <ul style="list-style-type: none"> Chemical reactions Motions and forces Conservation of energy and increase in disorder Interactions of energy and matter 	
						EARTH AND SPACE SCIENCE	In grades 9-12, all students should:
	X	X	X	X		<ul style="list-style-type: none"> Develop an understanding of energy in the earth system 	
						SCIENCE AND TECHNOLOGY	In grades 9-12, all students should:
	X	X	X	X	X	Develop an understanding of <ul style="list-style-type: none"> Abilities of technological design Understandings about science and technology Propose Designs and Choose between alternative Solutions Implement a proposed solution Evaluate the solutions and its consequences Communicate the Problem, Process and Solution 	
						PERSONAL AND SOCIAL PERSPECTIVES	In grades 9-12, all students should:
	X	X	X	X	X	Develop an understanding of <ul style="list-style-type: none"> Natural resources Environmental quality Natural and human-induced hazards Science and technology in local, national, and global challenges 	