

## Benchmarks for Science Grade 3 By Theme

The 3<sup>rd</sup> grade science curriculum has been arranged into themes. It is recommended the benchmarks be taught in the clustered identified below.

The following benchmarks are to be taught by all 3 <sup>rd</sup> grade teachers in the Coloma Community School District. Three required Assessments are listed. All 3 <sup>rd</sup> grade teachers will assess all students using the format and scoring guides (rubrics) specified in the assessment descriptions.			
Theme	Standard	Benchmark	Assessm't Required
<b>#1 Organization of Living Things</b>	III.2.1 Organization of Living Things	Explain characteristics and functions of observable body parts in a variety of animals.	<b>Owl Study</b> (Assessment included in resource packet)
	III.2.2 Organization of Living Things	Classify familiar organisms on the basis of observable physical characteristics.	
	III.2.3 Organization of Living Things	Describe life cycles of familiar organisms	
	III.2.4 Organization of Living Things	Compare and contrast food, energy, and environmental needs of selected organisms.	
	III.2.5 Organization of Living Things	Explain functions of selected seed plant parts.	
<b>#2 Heredity</b>	III.3.1 Heredity	Give evidence that characteristics are passed from parent to young.	
<b>#3 Evolution</b>	III.4.2 Evolution	Explain how physical and behavior characteristics of animals help them to survive in their environments.	
<b>#4 Ecosystems</b>	III.5.1 Ecosystems	Identify familiar organisms as part of a food chain or a food web and describe their feeding relationships within the web.	Technology Project
	III.5.2 Ecosystems	Describe the basic requirements for all living things to maintain their existence.	
	III.5.3 Ecosystems	Design systems that encourage growing of particular plants or animals.	
	III.5.4 Ecosystems	Describe positive and negative effects of humans on the environment (trash/recycling)	
<b>#5 Changes in Matter</b>	IV.2.1 Changes in Matter	Describe common physical changes in matter, size, shape, dissolving and evaporating.	

<b>Theme</b>	<b>Standard</b>	<b>Benchmark</b>	<b>Assessm't Required</b>
<b>#6 Motion of Objects</b>	IV.3.1 Motion of Objects	Describe and compare motion of common objects in terms of speed and direction.	Performance Assessment Test  Module D "Discover the Wonder" (Moving Cars)
	IV.3.2 Motion of Objects	Explain how forces, pushes or pulls are needed to speed up, slow down, stop, or change the direction of a moving object.	
	IV.3.3 Motion of Objects	Describe patterns of interaction of magnetic materials with other magnetic and non-magnetic materials.	
	IV.3.4 Motion of Objects	Identify and use simple machines and describe how they change effort.	
	IV.3.5 Motion of Objects	Manipulate simple mechanical devices and explain how their parts work together	
<b>#7 Waves and Vibrations</b>	IV.4.1 Waves and Vibrations	Describe sounds in terms of their properties.	
<b>#9 Geosphere</b>	V.1.5 Geosphere	Describe uses of materials taken from the earth.	