

## Science Benchmarks for Kindergarten

The following benchmarks are to be taught by all 1<sup>st</sup> grade teachers in the Coloma Community School District.

Required Assessments are listed. All 1<sup>st</sup> grade teachers will assess all students using the format and scoring guides (rubrics) specified in the assessment descriptions.

<b>Strand</b>	<b>Standard</b>	<b>Benchmark</b>	<b>Assesmt Required</b>
<b>III Life Science</b>	#2 Organization of Living Things	#1 Explain characteristics and functions of observable body parts in a variety of animals.	
	“	#2 Compare and contrast familiar organisms on the basis of observable physical characteristics.	
	“	#5 Explain the functions of selected seed plant parts.	
	#3 Heredity	#1 Give evidence that characteristics are passed from parents to young.	
	#5 Ecosystems	#3 Design systems that encourage growing of particular plants or animals	
	“	#4 Describe positive and negative effects of humans on the environment.	
<b>IV Physical Science</b>	#1 Matter and Energy	#1 Classify common objects and substances according to observable attributes/properties.	
	“	#2 Identify properties of materials which make them useful.	
	“	#1 Describe common physical changes in matter: size, shape, melting, freezing	
	“	#2 Identify properties of materials which make them useful.	
	#3 Motion of Objects	#1 Describe and compare motion of common objects in terms of speed and direction.	
	“	#4 Identify and use simple machines and describe how they change effort.	
	“	#5 Manipulate simple mechanical devices and explain how their parts work together.	
<b>V Earth Science</b>	#1 Geosphere	#1 Describe major features of the Earth's surface.	
	#2 Hydrosphere	#1 Describe how water exists on Earth in three states.	
	“	#2 Trace the path that rain water follows after it falls.	
	“	#3 Identify sources of water and its uses.	
	#3 Atmosphere and Weather	#1 Describe weather conditions	
	“	#3 Explain appropriate safety precautions during severe weather.	