



CW Middle School

Science 6 B

1. Metric Measurement (50.00%)

Learning Targets

1.1 I can recognize all base units and tools for measuring length, volume of a solid and liquid, and mass in the metric system.

Learning Target	Descriptor	Definition
4	Proficient	I can recognize all base units and tools for measuring length, volume of a solid and liquid, and mass in the metric system.
3	Developing	I can recognize most base units and tools for measuring length, volume of a solid and liquid, and mass in the metric system.
2	Basic	I can recognize the definitions of some base units for measuring length, volume of a solid and liquid, and mass in the metric system.
1	Minimal	I can recognize the definitions of all base units for measuring length, volume of a solid and liquid, and mass in the metric system.
0	No Evidence	No evidence shown.

1.2 I can clearly explain the difference between precision and accuracy.

Learning Target	Descriptor	Definition
4	Proficient	I can clearly explain the difference between precision and accuracy.
3	Developing	I can partially explain the difference between precision and accuracy.
2	Basic	I can distinguish between precision and accuracy in numeric measurements.
1	Minimal	I can distinguish between precision and accuracy by looking at a target.
0	No Evidence	No evidence shown.

1.3 I can accurately convert from one metric prefix to another without a metric prefix chart.

Learning Target	Descriptor	Definition
4	Proficient	I can accurately convert from one metric prefix to another without a metric prefix chart.
3	Developing	I can convert from one metric prefix to another without a metric prefix chart with some accuracy.
2	Basic	I can recognize, order, and know the value of each metric prefix.
1	Minimal	I can recognize the metric prefixes.
0	No Evidence	No evidence shown.

1.4 I can accurately calculate the volume of a solid rounded to the nearest tenth.



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Learning Target	Descriptor	Definition
4	Proficient	I can accurately calculate the volume of a solid rounded to the nearest tenth.
3	Developing	I can partially calculate the volume of a solid rounded to the nearest tenth.
2	Basic	I can use the formula for volume of a solid to show my work.
1	Minimal	I can accurately measure length to the nearest tenth of a centimeter.
0	No Evidence	No evidence shown.

1.5 I can accurately measure the volume of a liquid to the nearest tenth of a milliliter.

Learning Target	Descriptor	Definition
4	Proficient	I can accurately measure the volume of a liquid to the nearest tenth of a milliliter.
3	Developing	I can measure the volume of a liquid to the nearest tenth of a milliliter with some accuracy.
2	Basic	I can accurately label the volume of a liquid.
1	Minimal	I can define volume.
0	No Evidence	No evidence shown.

1.6 I can accurately measure the mass of an object to the nearest hundredth of a gram.

Learning Target	Descriptor	Definition
4	Proficient	I can accurately measure the mass of an object to the nearest hundredth of a gram.
3	Developing	I can measure the mass of an object to the nearest hundredth of a gram with some accuracy.
2	Basic	I can accurately label mass of an object.
1	Minimal	I can define mass.
0	No Evidence	No evidence shown.

1.7 I can accurately solve application problems involving density.

Learning Target	Descriptor	Definition
4	Proficient	I can accurately solve application problems involving density.
3	Developing	I can apply the density formula to simple problems.
2	Basic	I can describe the formula and label for density.



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Learning Target	Descriptor	Definition
1	Minimal	I can define density.
0	No Evidence	No evidence shown.

2. States and Changes of Matter (50.00%)

Learning Targets

2.1 I can clearly explain the properties of the four states of matter.

Learning Target	Descriptor	Definition
4	Proficient	I can clearly explain the properties of the four states of matter.
3	Developing	I can describe the motion and position of the particles in the four states of matter.
2	Basic	I can illustrate the position of the particles in the four states of matter.
1	Minimal	I can identify the four states of matter.
0	No Evidence	No evidence shown.

2.2 I can describe the motion and position of the particles as a substance changes state.

Learning Target	Descriptor	Definition
4	Proficient	I can describe the motion and position of the particles as a substance changes state.
3	Developing	I can describe motion or position of the particles as a substance changes state.
2	Basic	I can describe whether heat is added or removed in each change of state.
1	Minimal	I can identify four changes of state.
0	No Evidence	No evidence shown.

2.3 I can clearly predict the state of matter, the motion of the particles under various temperatures, and the changes of states as substance gains or loses energy.

Learning Target	Descriptor	Definition
4	Proficient	I can clearly predict the state of matter, the motion of the particles under various temperatures, and the changes of states as substance gains or loses energy.
3	Developing	I can partially predict the state of matter, the motion of the particles under various temperatures, and the changes of states as substance gains or loses energy.
2	Basic	I can relate the temperature to the motion of the particles.



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Learning Target	Descriptor	Definition
1	Minimal	I can identify the state of matter of a substance under various conditions.

0	No Evidence	No evidence shown.
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2.4 I can justify why a property is either physical or chemical.

Learning Target	Descriptor	Definition
4	Proficient	I can justify why a property is either physical or chemical.

3	Developing	I can describe physical and chemical properties of a substance or object.
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2	Basic	I can define physical and chemical properties.
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1	Minimal	I can define a property in scientific terms.
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0	No Evidence	No evidence shown.
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2.5 I can compare and contrast physical and chemical changes.

Learning Target	Descriptor	Definition
4	Proficient	I can compare and contrast physical and chemical changes.

3	Developing	I can give examples of signs of both chemical and physical changes.
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2	Basic	I can give examples of physical and chemical changes.
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1	Minimal	I can define physical or chemical changes.
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0	No Evidence	No evidence shown.
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2.6 I can analyze and interpret data to determine whether a chemical change has occurred and use multiple pieces of evidence to support my conclusion.

Learning Target	Descriptor	Definition
4	Proficient	I can analyze and interpret data to determine whether a chemical change has occurred and use multiple pieces of evidence to support my conclusion.

3	Developing	I can analyze and interpret data to identify whether a chemical change has occurred and use a single piece of evidence to support my conclusion.
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2	Basic	I can analyze and interpret data to identify whether a chemical change has occurred. Correctly identifies whether the lab shows examples of a physical property or chemical change.
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Learning Target	Descriptor	Definition
1	Minimal	I can analyze and interpret data but am not sure whether or chemical change has occurred. Incorrectly identifies whether the lab shows examples of a physical property or chemical change. No evidence to support conclusion.
0	No Evidence	No evidence shown.

2.7 I can ...

Learning Target	Descriptor	Definition
4	Proficient	I can ...
3	Developing	
2	Basic	
1	Minimal	
0	No Evidence	No evidence shown.

Submitted on 7/30/2021 by Melanie Becker