

Expectations and Outcomes

Grade Level/Course: Eighth Grade

Content Area: Science

| Unit Title | Guarantees |
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| Unit 1: Intro to Matter | <ul style="list-style-type: none"> - The properties used to describe and classify matter - -The units used to measure mass and to find density. - -Physical Change Chemical Change: |
| Unit 2: solids, liquids, gases | <ul style="list-style-type: none"> - -States of matter - solid, liquid, gas - -Changes of states of matter - -Behavior of gases |
| Unit 3: Elements and the periodic table | <ul style="list-style-type: none"> - -Introduction to Atoms - early theories and parts - -Organizing the Elements: metals/nonmetals/ metalloids - -Radioactive decay and use of radioactive isotopes |
| Unit 4: Atoms and bonding | <ul style="list-style-type: none"> - -Atoms, Bonding and the Periodic table - -Ionic & Covalent Bonds - -Bonding in Metals |
| Unit 5: Chemical Reactions | <ul style="list-style-type: none"> - -Observing Chemical Change - -Describing & Controlling Chemical Reactions |
| Unit 6: The Scientific Method | <ul style="list-style-type: none"> - -Process of the scientific method - -Development and conducting of own experiment following the scientific method. - -Metric System: conversions and usage in science |
| Unit 7: Motion | <ul style="list-style-type: none"> - -Describing Motion - -Speed & Velocity - -Acceleration |
| Unit 8: forces | <ul style="list-style-type: none"> - -Friction & Gravity - -Newton's Laws of Motion - -Momentum - -Freefall and Circular Motion - -Sinking and Floating |
| Unit 9: Energy | <ul style="list-style-type: none"> - -Energy - forms of energy |

| Unit Title | Guarantees |
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| | <ul style="list-style-type: none">- -Energy Transformation & Conservation- -Heat Transfer |

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