

**Course:** 7<sup>th</sup> Grade Science **Topic:** Structure of Matter **Teacher:** Mr. Heath

**Week:** Dec 7th - Dec 11th

|                             | MONDAY   | TUESDAY  | WEDNESDAY   | THURSDAY   | FRIDAY   |
|-----------------------------|--|--|---|--|--|
|                             | Cohort A: Period 1,  | Cohort B: Period 1   | Cohort A&B; Periods 1-6   | Cohort A; Periods 4, 5, 6  | Cohort B; Periods 4, 5, 6  |
| Resources and 7th Materials | *Chromebook/<br>Laptop/Desktop<br>*Internet<br>*Planner<br>*Paper<br>*Pencil   | *Chromebook/<br>Laptop/Desktop<br>*Internet<br>*Planner<br>*Paper<br>*Pencil   | *Chromebook/<br>Laptop/Desktop<br>*Internet<br>*Planner<br>*Paper<br>*Pencil  | *Chromebook/<br>Laptop/Desktop<br>*Internet<br>*Planner<br>*Paper<br>*Pencil   | *Chromebook/<br>Laptop/Desktop<br>*Internet<br>*Planner<br>*Paper<br>*Pencil   |
| NGSS Standards              | <p><b>Analyze and interpret data on the properties of substances before and after the substances interact to determine if a chemical reaction has occurred.</b></p> <p><b>Develop models to describe the atomic composition of simple molecules and extended structures.</b></p> | <p><b>Analyze and interpret data on the properties of substances before and after the substances interact to determine if a chemical reaction has occurred.</b></p> <p><b>Develop models to describe the atomic composition of simple molecules and extended structures.</b></p> | <p><b>Analyze and interpret data on the properties of substances before and after the substances interact to determine if a chemical reaction has occurred.</b></p> | <p><b>Analyze and interpret data on the properties of substances before and after the substances interact to determine if a chemical reaction has occurred.</b></p> <p><b>Develop models to describe the atomic composition of simple molecules and extended structures.</b></p> | <p><b>Analyze and interpret data on the properties of substances before and after the substances interact to determine if a chemical reaction has occurred.</b></p> <p><b>Develop models to describe the atomic composition of simple molecules and extended structures.</b></p> |

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| <p><b>Learning Expectations</b></p>    | <p>Scholars will learn that substances react chemically in characteristic ways. In a chemical process, the atoms that make up the original substances are regrouped into different molecules, and these new substances have different properties from those of the reactants.</p> <p>Scholars will learn that substances are made from different types of atoms, which combine with one another in various ways; and sometimes form molecules that range in size from two to thousands of atoms.</p> | <p>Scholars will learn that substances react chemically in characteristic ways. In a chemical process, the atoms that make up the original substances are regrouped into different molecules, and these new substances have different properties from those of the reactants.</p> <p>Scholars will learn that substances are made from different types of atoms, which combine with one another in various ways; and sometimes form molecules that range in size from two to thousands of atoms.</p> | <p>Scholars will learn that substances are made from different types of atoms, which combine with one another in various ways; and sometimes form molecules that range in size from two to thousands of atoms.</p> | <p>Scholars will learn that substances react chemically in characteristic ways. In a chemical process, the atoms that make up the original substances are regrouped into different molecules, and these new substances have different properties from those of the reactants.</p> | <p>Scholars will learn that substances react chemically in characteristic ways. In a chemical process, the atoms that make up the original substances are regrouped into different molecules, and these new substances have different properties from those of the reactants.</p> |
| <p><b>Virtual Class Activities</b></p> | <p>*Hook Activity<br/>*APK Q's<br/>*Related article reading</p>  | <p>*Hook Activity<br/>*APK Q's<br/>*Related article reading</p>  | <p>* Structure of matter Reading</p>   | <p>*Rearranging Atoms<br/>*Balancing Equations</p>  | <p>*Rearranging Atoms<br/>*Balancing Equations</p>  |

|                          |   |   |  |                                  |                                  |
|--------------------------|---|---|--|----------------------------------|----------------------------------|
| <b>Daily Assignment</b>  | *APK questions<br>*Exit Ticket                        | *APK questions<br>*Exit Ticket                        | *Reading Notes                         | *Rearranging Atoms               | *Rearranging Atoms               |
| <b>Afternoon Support</b> | <b>Cohort B; Periods<br/>4,5,6</b>                    | <b>Cohort A; Periods<br/>4,5,6</b>                    | <b>Cohort A&amp;B; Periods<br/>1-6</b> | <b>Cohort B: Period<br/>1</b>    | <b>Cohort A: Period<br/>1</b>    |
|                          | *Complete PhET<br>states of Matter<br>worksheet & CER | *Complete PhET<br>states of Matter<br>worksheet & CER | None.                                  | *Signs of a<br>Chemical Reaction | *Signs of a<br>Chemical Reaction |