

## Commerce City Schools Curriculum Map

**Grade Level: 10**

**Content Area: Physical Science/Honors Physical Science**

| <b>Grading Period</b>         | <b>1<sup>st</sup> 6 weeks</b>  |  |  | <b>2<sup>nd</sup> 6 weeks</b>   |   |   | <b>3<sup>rd</sup> 6 weeks</b>   |   |  |
|-------------------------------|--|--|--|---|---|---|---|---|--|
| <b>Name of Unit</b>           | Measurement and Using Numbers in Science   | Atomic Theory/ Periodic Table  | Nuclear Decay  | Chemical Bonding  | Physical Properties of Compounds  | Physics of Work   | Physics of Motion   | Electricity and Magnetism   | Waves and Light & EOCT Review  |
| <b>Big Ideas</b>              | Scientific Method, Measurement, Lab Safety, Using lab equipment, Density   | History of the atom, Structure of the atom, History and uses of the Periodic Table                                       | Fundamentals of nuclear radiation, Half Life of radioactive isotopes, Impact of radioactivity on the environment         | Types of Bonding, Nomenclature of Chemical Compounds Classification of Matter   | Kinetic Theory of Matter, Heat, States of Matter, Acids/Bases   | Law of Conservation of Energy, Energy Transformations, Simple Machines  | Newton's Laws of Motion, Gravity,   | Static Electricity, Current Electricity, Motors and Generators  | Behavior of Waves, Reflection, Refraction, Diffraction, Interference   |
| <b>Pacing of Unit</b>         | 2 weeks  | 2 weeks  | 2 weeks  | 2 weeks   | 2 weeks   | 1.5 weeks   | 1.5 weeks   | 2.5 weeks   | 2.5 weeks  |
| <b>Domain/ Content Weight</b> | Overarching  | 25%  | 25%  | 25%   | 25%   | 25%   | 25%   | 25%   | 25%  |
| <b>Resources</b>              | Holt Physical Science Instructional Materials: Student One Stop CD-ROM, textbook, study guide, laboratory activities resources and | Holt Phys. Sci. Instructional Materials: Student One Stop CD-ROM, textbook, study guide, test review book and laboratory | Holt Phys. Sci. Instructional Materials: Student One Stop CD-ROM, textbook, study guide, test review book and Phys. Sci. | Holt Phys. Sci. Instructional Materials: Student One Stop CD-ROM, textbook, study guide, test review book and Phys. Sci. EOCT Coach book; | Holt Phys. Sci. Instructional Materials: Student One Stop CD-ROM, textbook, study guide, test review book and Phys. Sci. EOCT Coach book; | Holt Phys.Sci. Instructional Materials: Student One Stop CD-ROM, textbook, study guide, test review book and Phys. Sci. | Holt Phys.Sci. Instructional Materials: Student One Stop CD-ROM, textbook, study guide, test review book and Phys. Sci. | Holt Phys.Sci. Instructional Materials: Student One Stop CD-ROM, textbook, study guide, test review book and Phys. Sci. | Holt Phys. Sci. Instructional Materials: Student One Stop CD-ROM, textbook, study guide, test review book and Phys. Sci. EOCT Coach book; laboratory |

|  | <b>additional instructional materials</b> | <b>activities resources</b>      | <b>EOCT Coach book; laboratory activities resources</b> | <b>laboratory activities resources and additional instructional materials</b> | <b>laboratory activities resources and additional instructional materials</b> | <b>EOCT Coach book; laboratory activities resources and additional instructional materials</b> | <b>EOCT Coach book; laboratory activities resources and additional instructional materials</b> | <b>EOCT Coach book; laboratory activities resources and additional instructional materials</b> | <b>activities resources and additional instructional materials</b> |
|--|---|----------------------------------|---|---|---|--|--|--|--|
| <b>Key Standards</b><br>(See <a href="http://www.georgiastandards.org">www.georgiastandards.org</a> for a list of standards by grade level and content area) | SCSh2<br>SCSh3<br>SCSh4                   | SPS1<br>(a, b),<br>SPS4<br>(a,b) | SPS3<br>(a, b, c, d, )                                  | SPS2<br>(a, b, d, e)  | SPS2<br>(a-e),<br>SPS5<br>(a, b)<br>SPS6<br>(a-e)                             | SPS7<br>(a-d)  | SPS8<br>(a-e)  | SPS10<br>(a, b, c,)  | SPS9<br>(a-f)<br><br>EOCT Review:<br>SPS 1-10                      |
| <b>Related Standards</b>   | SCSh1-SCSh8                               |                                  |   | SCSh1-2,<br>SCSh4, SCSh7-8  | SCSh1-5,<br>SCSh7-8   | SCSh1-5,<br>SCSh7-8  | SCSh1-8  | SCSh1-5,<br>SCSh7-8  | SCSh1-8  |