

CURRICULUM GUIDE-Second 6 Weeks
Seventh Grade Science

| Unit of Study— 2 nd 6 weeks | | | | | |
|---|---|---|--|-------|---|
| TEKS # | Knowledge and Skill TEK | Student Expectation | Vocabulary | Tools | Instructional/Assessment Resources |
| 7.1AB 7.2B-E 7.3C 7.4AB | | | kinetic energy potential energy newton's first law newton's second law newton's third law velocity Acceleration Force Friction Inertia Work Simple machines Compound Machines mechanical advantage Pulley lever incline plane Law of Conservation of Energy Temperature Heat Conduction Convection Radiation Endothermic Reaction Exothermic Reaction Catalyst | | 1. pre physics quiz 2. vocab chapter 5 3. notes 4. problem solvong 5. sec2,sec3 6. worksheets 7. lab-machines 8. activity 9. crash dummies 10. study guide 11. physics test 12. lab exam |
| 7.6ABC | (7.6) Science concepts. The student knows that there is a relationship between force and motion. | (A) demonstrate basic relationships between force and motion using simple machines including pulleys and levers; (B) demonstrate that an object will remain at rest or move at a constant speed and in a straight line if it is not being subjected to an unbalanced force; and (C) relate forces to basic processes in living organisms including the flow of blood and the emergence of seedlings. | | | |
| 7.7AB | (7.7) Science concepts. The student knows that substances have physical and chemical properties. | (A) identify and demonstrate everyday examples of chemical phenomena such as rusting and tarnishing of metals and burning of wood; (B) describe physical properties of elements and identify how they are used to position an element on the periodic table; and | | | |
| 7.8A | (7.8) Science concepts. The student knows that complex interactions occur between matter and energy. | (A) illustrate examples of potential and kinetic energy in everyday life such as objects at rest, movement of geologic faults, and falling water; and | | | |
| 7.14C | (7.14) Science concepts. The student knows that natural events and human activity can alter Earth systems. | (C) make inferences and draw conclusions about effects of human activity on Earth's renewable, non-renewable, and inexhaustible resources. | | | |

