

## **Earth Science TEKS Inserted into High School Courses**

### **Integrated Physics and Chemistry (usually 9<sup>th</sup> grade)**

- 5 The student knows the effects of waves on everyday life.
  - A. Demonstrate wave types and their characteristics through a variety of activities such as modeling with ropes and coils, activating tuning forks, and interpreting data on seismic wave.
- 6 The student knows the impact of energy transformation in everyday life.
  - B. Analyze the efficiency of energy conversions that are responsible for the production of electricity such as from radiant, nuclear, and geothermal sources, from fossil fuels such as coal, gas, and oil, and from the movement of water or wind.
- 7 The student knows relationships exist between properties of matter and its components.
  - A. Investigate and identify properties of fluids including density, viscosity, and buoyancy.
- 8 The student knows that changes in matter affect everyday life.
  - A. Distinguish between physical and chemical changes in matter such as oxidation, digestion, changes in states, and stages in the rock cycle.