

## 6<sup>th</sup> Grade On-Level Science Parent Guide

This course is designed to provide students with the skills necessary to apply science concepts to their everyday life. Along with being able to ask questions and solve problems, students are able to collect and organize data, and draw conclusions based on their findings. While much of the focus is on physical science, the course is built on the following strands: scientific investigations and reasoning; matter and energy; force, motion, and energy; earth and space; and organisms and environment. Texas Essential Knowledge and Skills for Grade 6 Science [§112.18. Science, Grade 6, Adopted 2017](#)

### 1<sup>st</sup> 6 Weeks:

Introduction to Science/Safety  
Interactions in an Environment  
Prokaryotic & Eukaryotic Cells  
Classifications of Organisms

### 4<sup>th</sup> 6 Weeks:

Elements and Compounds  
Formation of a New Substance  
Metals, Nonmetals & Metalloids  
Density

### 2<sup>nd</sup> 6 Weeks:

Potential and Kinetic Energy  
Changes in Force & Motion  
Inclined Planes

### 5<sup>th</sup> 6 Weeks:

Thermal Energy  
Energy Transformations  
Energy Resources  
Space: Gravity

### 3<sup>rd</sup> 6 Weeks:

Layers of the Earth  
Tectonic Plates  
Classifying Rocks and Minerals  
Classifying Minerals

### 6<sup>th</sup> 6 Weeks:

Space: Gravity  
Space: Celestial Bodies  
Space Exploration

**Questions?** Please contact your course science teacher.