MONTGOMERY Independent School District

# Curriculum Blueprint
# 8th Grade Science

| 1st six weeks | 2nd six weeks | 3rd six weeks | 4th six weeks | 5th six weeks | 6th six weeks |
|---|---|---|---|---|---|
| • Lab safety/scientific investigation<br>• Atomic structure<br>• Introduction to periodic table | • Patterns & trends on periodic table<br>• Chemical formulas & equations<br>• Chemical reactions | • Balanced & unbalanced forces<br>• Differentiate between speed, velocity, & acceleration<br>• Application of Newton's Laws | • Sun, moon, & Earth relationships<br>• Lunar cycle predictions<br>• Ocean tides<br>• Components of the universe | • Plate tectonic theories<br>• Plate tectonics & formation of crustal features<br>• Topographic maps & satellite views<br>• Sun's Energy: Oceans & weather systems | • Relationships in food webs<br>• Competition for biotic & abiotic factors<br>• Short-term & long-term environmental changes<br>• Human dependence on ocean systems |
| **Grading:**<br>Major 60%<br>Quizzes/Labs 30%<br>Daily 10% | | | | | |