

BRACKEN RIDGE STATE HIGH SCHOOL

Year 7 Science

Overview

TERM ALLOCATION AND LENGTH	UNIT	SUB TOPICS	ASSESSMENT
Term 1 10 weeks	Chemistry and Resource Management	<ul style="list-style-type: none"> • Pure substances and Mixtures • Solutions and suspensions • Separation techniques • Renewable and non-renewable resources • Resource management practices 	<ul style="list-style-type: none"> • Investigation – Separation Techniques • Research Task – Sustainable Resources
Term 2 10 Weeks	Biology	<ul style="list-style-type: none"> • Ecosystems, community, populations, species • Food chains and food webs • Changes in ecosystems • Classification and diversity of living things • Scientific name: binomial nomenclature 	<ul style="list-style-type: none"> • Test – Ecosystems and Classification
Term 3 10 Weeks	Physics	<ul style="list-style-type: none"> • Forces – push, pull or twist • Motion of an object is due to unbalanced forces acting on that object. • Machine – simple and complex • Gravity – weight of an object 	<ul style="list-style-type: none"> • Science Fair - Build a working model of a complex machine, e.g. balloon powered car and carry out both research and experimentation on how it moves.
Term 4 10 Weeks	Earth Science	<ul style="list-style-type: none"> • Stars, The Milky Way, constellations, zodiac • Planets, satellites, comets, asteroids, gravity, and orbits • Phases of the moon, tides, eclipses, seasons and climate. 	<ul style="list-style-type: none"> • Test – Understanding the Earth, moon and sun and exploring the seasons.