Subject: Earth and Space Science Grade Level: 9th/10th Updated Review August 2025

FIRST QUARTER	SECOND QUARTER	THIRD QUARTER	FOURTH QUARTER
<ul> <li>Availability of natural resources</li> <li>Occurrence of natural hazards</li> <li>Climate change influenced by human activity</li> <li>Developing, managing and utilizing energy and mineral resources</li> <li>Solutions reducing human impacts on natural systems</li> <li>Resource availability guiding development of human society</li> <li>Sustainability of human societies</li> <li>Biodiversity</li> <li>Natural resource management</li> <li>UNIT 2: GRAND CANYON NP</li> <li>Properties of water and its effect on Earth materials and surface processes</li> <li>Relationships between management of natural resources, the stability of human populations and biodiversity</li> <li>Analyze major global challenges</li> <li>Design solutions that account for societal needs and wants</li> <li>Physical and chemical properties of liquid water</li> <li>Energy absorption, storage and release</li> <li>Waters ability to transmit sunlight</li> <li>Waters ability to expand when freezing</li> </ul>	<ul> <li>Earth's internal and surface processes operate at different spatial and temporal scales to form continental and ocean floor features</li> <li>Thermal convection</li> <li>Availability of natural resources</li> <li>Occurrence of natural hazards</li> <li>Changes in climate have influenced human activity</li> <li>Age of continental crust vs oceanic crust</li> <li>Feedback loops</li> <li>Plate boundaries and movements</li> <li>Continental and ocean floor features</li> <li>Distribution of rocks and minerals</li> </ul>	<ul> <li>UNIT 4: GLACIER NP</li> <li>Feedback loops impacting Earth's surface</li> <li>Energy flowing into and out of Earth's system results in climate change</li> <li>Carbon cycle</li> <li>Rates of global or regional climate change and associated future impacts to Earth systems</li> <li>Human activity impacts to Earth systems</li> <li>Positive and negative feedback loops and their impacts to Earth's systems</li> <li>Rising global temperatures</li> <li>Greenhouse gases and impacts to the ocean and the biosphere</li> <li>Modeling and predicting future impacts.</li> </ul>	UNIT 5: GREAT BASIN NP  Life span of the sun Nuclear fusion Big Bang theory Light spectra Motion of distant galaxies Composition of matter in the universe Life cycle of stars and the sun Composition of non-stellar gases Cosmic microwave background radiation Electromagnetic energy Supernovas

Subject: Regents Biology Grade Level: 9th Updated Review August 2025

FIRST QUARTER	SECOND QUARTER	THIRD QUARTER	FOURTH QUARTER
UNIT 1: Marathon Runner  • Homeostasis • Gas exchange Cell Respiration • Muscle and energy production • Human Thermoregulation • Water Balance  UNIT 2: Humans vs Bacteria  • Natural Selection • Black Death • Antibiotic Resistance • Immunity	UNIT 2: Humans vs Bacteria cont'd  • Interdependence of Organisms • The Microbiome • Cooperation and Survival  UNIT 3: Evolution of Sick Humans  • Genetics • Protein synthesis • Lactase Resistance • enzyme-substrate • Leptin Resistance • Mismatch hypothesis • Circadian Rhythms • Common Ancestry	UNIT 4: Saving the Mountain Lion  Population  Mountain Lion Population  threats, range  interdependence of species Sexual Reproduction Genetic variation Engineering Gene  UNIT 5: Food for All  Energy Neolithic Revolution carrying capacity The SuperFood that Changed the World Infectious Agent or Insufficient Diet	UNIT 5: Food for All cont'd  • New foods and consequences • food deserts • Matter in ecosystems • Food for Plants  UNIT 6: Woolly Mammoth • Evolution • Ecosystem resilience • Tuskless Elephants • Coral Bleaching • Climate change • Kelp Forest • Human impact • Passenger Pigeon

Subject: Regents Chemistry Grade Level: 11th Updated Review August 2025

FIRST QUARTER	SECOND QUARTER	THIRD QUARTER	FOURTH QUARTER
MATH SKILLS- VOCAB  Scientific notation Metric system Element names/symbols  ATOMIC STRUCTURE Part of atom Rutherford model Avogadro's # mole concept Relative average at mass  ELECTRON CONFIGURATIONS Bohr model Electron configuration notation Orbital config. notation Electron dot notation Corbital model Spectroscopy Quantum numbers - Honors  BONDING/ INTERPARTICLE  BONDING/TABLE Ionic bonding Covalent bonding Electronegativity Molecular shape/dipole Energy changes in bonding Metallic crystal Network crystal Network crystal Nolecular crystal Network crystal Nolecular crystal Nolecular crystal Network crystal Molecular crystal Network crystal Network crystal Network crystal Nolecular crystal Network crystal Nolecular crystal Periodic table history Groups and periods Periodic trends	NAMING & FORMULA WRITING  Oxidation rules Formula writing Polyatomic ions IUPAC system % composition EQUATION WRITING Composition Decomposition Cation replacement Anion replacement Double replacement Combustion Electrolysis Neutralization STOICHIOMETRY Mass-mass Mass-volume Limiting/excess reagents GAS LAW MATERIAL Kinetic molecular theory Graham/Boyle/Charles' Laws Avogadro's Law Ideal gas law Combined law Density of gasses Pressure Dalton's Law Molecular weight and density	PHASES OF MATTER  Phase characteristics Heating/cooling curves Heat equation Heat of fusion/vaporization SOLUTION CHEMISTRY Solute/solvent Solubility curves Arrhenius theory Energy changes Molarity Molality-Honors Conductivity of solutions Changes in f.pt/b.pt ACID/BASE THEORY General Characteristics Arrhenius theory Bronsted-Lowry theory Titrations Naming acids/bases pH and pOH scales KINETICS/EQUILIBRIUM Potential energy diagrams Enthalpy changes React.rt./collision theory Equilibrium LeChatelier's principle Rate law/equil/ constant	EQUIL. CONSTANTS/ SPONTANEITY      Ka and Kb (w. acid-Honors)     Kw     Ksp     Free energy change REDUCTION/ OXIDATION CHEMISTRY     Half reactions     Balancing redox equations     Electrochemical cells     Voltage     Electrolytic cells ORGANIC CHEMISTRY     Chemistry of carbon     Aliphatic series     Aromatic series     Naming     Functional groups     Substitution reactions     Addition reactions     Polymerization reactions     Esterification reactions     RADIOACTIVITY     Particle/rays     Half life     Decay equation     Fusion/fission     Nuclear power plants

Subject: AP Biology Grade Level: 12<sup>th</sup> Updated Review August 2025

FIRST QUARTER	SECOND QUARTER	THIRD QUARTER	FOURTH QUARTER
CHEMISTRY	CELL DIVISION  Why cells divide Stages of mitosis Stages of meiosis Sims/diffs between the two Genetic variation  HEREDITY & GENETICS History of genetics Genetic crosses Incomplete dominance Multiple alleles Epistasis Linkage Sex-linkage Nondisjunction Human genetics  MOLECULAR GENETICS DNA structure/replication RNA structure Transcription/translation viral/bacterial genetics recombinant DNA Regulation of gene expression  EVOLUTION  Evidence Natural selection Sources of variation Genetic equilibrium Patterns of evolution Origin of life	ANIMALS  Respiration Circulation Excretion Digestion Regulation Support/movement Immunity  ANIMAL REPRO & DEVELOPMENT Sexual differences Human repro anatomy Gametogenesis Hormonal regulation Embryonic development	ANIMAL BEHAVIOR  Genetic basis Kinds of behavior Communication Social behavior ECOLOGY Population ecology Communities Ecosystems Biomes Ecological succession Biogeochemical cycles Human impact - biosphere LABORATORY REVIEW AP Bio test review Practice multiple choices Sample essays SIX KINGDOM SURVEY Bacteria Archaea Protisa Fungi Plantae Animalia PLANTS Roots/stems/leaves Transport of water/sugar Hormones Reproduction Tropisms  FINAL PROJECT FOLLOWING AP EXAM Students will complete a culminating project that will demonstrate understanding of various concepts that were learned throughout the year.

Subject: Human Biology Grade Level: 11th/12th Updated Review August 2025

FIRST QUARTER	SECOND QUARTER	THIRD QUARTER	FOURTH QUARTER
ORGANIZATION OF HUMAN BODY	**STEVOUS SYSTEM**  **structure of neuron**  **transmission of impulse**  **synaptic transmission**  **disorders of neurons**  **central nervous system/brain**  **autonomic nervous system**  **peripheral nervous system**  **peripheral nervous system**  **disorders of nervous system**  **disorders of nervous system**  **THE HEART**  **structure/blood flow**  **control of heart rate**  **heart disorders**  **arteries/veins/capillaries**  **circulatory routes**  **control of blood pressure**  **disorders of vascular system**  **DIGESTIVE SYSTEM**  **Mouth**  **nesophagus/peristalsis**  **odisorders of upper GI tract**  **Stomach**  **gastric secretions**  **chemical/mechanical digestion**  **disorders of stomach**  **Intestines**  **small intestine/villi**  **large intestine**  **liver/gallbladder/pancreas**  **absorption/defecation**  **disorders of lower GI tract**  **RESPIRATORY SYSTEM**  **structures of respiratory tract**  **diaphragm/breathing mech.*  **control of breathing**  **diaphragm/breathing mech.*  **control of breathing**		

Subject: Current Topics in Biology Grade Level: 11th/12th Updated Review August 2025

FIRST QUARTER	SECOND QUARTER	THIRD QUARTER	FOURTH QUARTER
		RIGHT TO DIE/RIGHT TO REFUSE MEDICAL TREATMENT	DRUGS  Trends Legalization HIV association Alcohol  TRANSPLANTS Who? why? costs Animal organs Fetal tissues  GENETIC REVOLUTION DNA studies Bio-engineered plants Stem cell research

Subject: Physics: The Physical Setting Grade Level: 11th/12th Updated Review August 2025

FIRST QUARTER	SECOND QUARTER	THIRD QUARTER	FOURTH QUARTER
UNIFORM MOTION      Displacement     Velocity     Acceleration     Graphing Motion     Kinematic equations     Centripetal accelerations  FORCES     Newton's 1st law     Newton's 2nd law     Frictional forces & equations     Centripetal forces     Gravitational Focus     universal gravitation     Kepler's laws  VECTORS     Scalers & vectors     Parallel vectors     Perpendicular vectors     parallelogram method     head to tail method     by components	MOTION IN TWO DIMENSIONS  Independence of perpendicular motions Projectile motion OHORIZONTAL OANGULAR  MOMENTUM Impulses & momentum equations Newton's 3 <sup>rd</sup> law Conservation of momentum Internal & external forces  ENERGY Work KE & PE energy Simple machines Mechanical advantage Conservation of energy Conservation of energy Conservation of energy Mass - energy conservation	WAVES  Types of waves Wave characteristic Interference Polarization Diffraction Doppler effect  SOUND & LIGHT Reflection Refraction (Snell's law Resonance & Standing Waves  ELECTRONIC FIELDS) Static electricity & charges Electrostatic fields Charging by conduction Charging by induction Charging by induction Potential differences Charge distribution & field strength point charges wires & rods parallel plates	CURRENT ELECTRICITY  • Electric current • Resistance • Ohm's law • Electrical power • Series circuit • Parallel circuit • Series - parallel circuits • Resistivity  MAGNETISM & ELECTROMAGNET APPLICATIONS • Magnetic domain & field directions • Magnetic field distribution & strength • Motors • Generators  MODERN PHYSICS • Photoelectric effect • Light wave particle • Emission spectrum • De Broglie wavelengths • Models of the atom • Rutherford model • Bohr model • The Standard Model

Subject: AP Chemistry Grade Level: 11th/12th Updated Review August 2025

FIRST QUARTER	SECOND QUARTER	THIRD QUARTER	FOURTH QUARTER
Unit 0 – Preamble	Unit 3- Electronic Structure & Periodic Table  Intermolecular Forces Properties of Solids Solids, Liquids, Gases Ideal gas law Kinetic molecular theory Deviations from Ideal Gas Solutions & Mixtures Representations of Solutions Separation of Solutions & Mixtures Solubility Spectroscopy Properties of Photons Beer-Lambert Law  Unit 5-Kinetics Rate vs. concentration Concentration vs. time Activation energy Rate vs. temperature Reaction mechanism Catalysts	Unit 6 - Thermochemistry Bond Energy Calorimetry Enthalpy Thermochemical equations  Unit 7 - Equilibrium Equilibrium Kc, Kp Equilibrium constant Applications of Keq LeChatelier and stresses Ksp Common ion Precipitation  Unit 8- Acids and Bases Intro Acids & Bases Hand pOH strong Weak Acid & Base Equilibria Acid-Base Reactions & Buffers PH and pKa Acid-Base Titrations Properties of Buffers Henderson-Hasselbalch Eqn Buffer Capacity PH & Solubility	Unit 9-Thermodynamics & Electrochemistry

FIRST QUARTER	SECOND QUARTER	THIRD QUARTER	FOURTH QUARTER
I. Introduction to Astronomy - Introduction to Our Solar System - Planetary Geology - What exactly is Pluto?  II. Cosmic Voyage - Size of the Universe  III. Origins of Astronomy - Constellations (Mythology) - Introduction to research and presentation methods - Using Stars/Constellations as Reference Points  IV. Historical Astronomy - Historical Astronomers - Evolution of Discovery - Leaps in knowledge	V. Modern Astronomy - Current Space Flight - Current Space Science - Progress towards Human Exploration - Deep Space Discoveries - Active NASA/ESA missions - Possibilities for Extraterrestrial Life - Benefits of Space Science - Spin Offs - Self-Guided Research  VI. TeleScopes - Ground Based - Space Based		

Subject: AP Environmental Science Grade Level: 11th/12th Updated Review August 2025

FIRST QUARTER	SECOND QUARTER	THIRD QUARTER	FOURTH QUARTER
Unit 1 – The Living World:	Unit 4 - Earth Systems & Resources  Plate Tectonics Soil Formation & Erosion Soil Composition & Properties Earth's Atmosphere Global Wind Patterns Watersheds Solar Radiation & Earth's Seasons Earth's Geography & Climate El Nino & La Nina  Unit 5 - Land & Water Use Tragedy of the Commons Clearcutting The Green Revolution Impacts of Agricultural Practices Irrigation Methods Pest Control Methods Meat Production Methods Impacts of Overfishing Impacts of Wining Impacts of Urbanization Ecological Footprints Introduction to Sustainability Methods to Reduce Urban Runoff Integrated Pest Management Sustainable Agriculture Aquaculture Sustainable Forestry	Unit 6 – Energy Resources & Consumption  Renewable & nonrenewable Global energy consumption Fuel types and uses Distribution of natural energy resources Fossil fuels Nuclear power Energy from biomass Solar energy Hydroelectric power Geothermal energy Hydrogen fuel cell Wind energy Energy Conservation  Unit 7 – Atmospheric Pollution Intro to air pollution Intro to air pollution Atmospheric CO2 & particulates Indoor air pollutants Reduction of air pollutants Reduction of air pollutants Acid rain Noise Pollution  Unit 8 - Global Change Stratospheric ozone depletion Reducing ozone depletion Greenhouse effect Increases in greenhouse gasses Global climate change Ocean warming Ocean acidification Invasive species Endangered Species Human Impacts on Biodiversity	Unit 9 - Aquatic & Terrestrial Pollution  Sources of pollution Human impacts on ecosystems Endocrine disruptors Human impacts on Wetlands & Mangroves Eutrophication Thermal pollution Persistent organic pollutants Bioaccumulation & biomagnification Solid waste disposal Waste reduction methods Sewage treatment Lethal dose 50% Dose response curve Pollution & human health Pathogens & infectious diseases  REVIEW FOR AP EXAM  FINAL PROJECT FOLLOWING A EXAM Students will complete a culminating project that will demonstrate understanding of various concepts that were learne throughout the year.

Subject: Forensics Grade Level: 11th/12th Updated Review August 2025

FIRST QUARTER	SECOND QUARTER		
Unit One: Intro to Forensics  History of Forensics Careers in Forensics Unit Two: Crime Scenes & Observation Skills  Practicing and improving observation skills Procedures for crime scene investigation Collecting and packaging evidence Chain of Custody Photography of a crime scene Sketching a crime scene Unit 3: Fingerprinting  types of fingerprints structure of fingerprints collection and analysis of fingerprints Init 4: Blood blood typing: structure and testing for Blood spatter analysis	Unit 5: Hair Analysis  Structure of hair Collection of hair samples Analysis of hair Unit 6: Toxicology Narcotics Poisons Unit 7: Anthropology Collection of bones Skeletal analysis and reconstruction Unit 8: Death and Decay Types of deaths Stages of decay Determining time of death Etymology - insects and their use in determining a time of death	*Students will have a say in their learning and will have a vote as to which units we pursue, save for a few that the teacher will include in every semester(i.e. intro to forensics and observation skills). Other Units may select include but are not limited to: Document Analysis, Soil, Imprints, Psychology, Innocence Project*	

Subject: AP Physics Grade Level: 12th Updated Review August 2025

FIRST QUARTER	SECOND QUARTER	THIRD QUARTER	FOURTH QUARTER
Unit 1 – Kinematics Scalars and vectors in one dimension Displacement, velocity, acceleration Representing motion Reference frames and relative motion Vectors and motion in 2 & 3 dimensions  Unit 2 - Force & Translational Dynamics Systems and center of mass Forces and free-body diagrams Newton's third law Newton's first law Newton's second law Gravitational Force Kinetic and Static friction Spring forces Circular motion Unit 3 - Work, Energy, Power Translational kinetic energy Work Potential Energy Conservation of Energy Power	Unit 4 – Linear Momentum  Linear momentum Change to momentum and impulse Conservation of linear momentum Elastic and inelastic collisions  Unit 5 – Torque & Rotational Dynamics Rotational kinematics Connecting linear & rotational motion Torque Rotational inertia Rotational equilibrium & Newton's first law in rotational form Newton's second law in rotational form	Unit 6 – Energy & Momentum of Rotating Systems  Rotational kinetic energy Torque and work Angular momentum & angular impulse Conservation of angular momentum Rolling Motion of orbiting satellites  Unit 7 – Oscillations Defining simple harmonic motion Frequency and period of SHM Representing and analyzing SHM Energy of simple harmonic oscillations	Unit 8 – Fluids  Internal structure & density Pressure Fluids and Newton's laws Fluids and conservation laws  REVIEW FOR AP EXAM Examples on how questions are graded Topic review as needed  FINAL PROJECT FOLLOWING AP EXAM Student choose something relevant to their everyday life With parent permission research topic to find connections to physics Design presentation demonstrating the physics of their chosen project.

Subject: Aquatic Ecology Grade Level: 11th/12th Updated Review August 2025

FIRST QUARTER- Aquatic	FIRST QUARTER- Aquatic	SECOND QUARTER- Aquatic	SECOND QUARTER- Aquatic
Ecosystems	Ecosystems	Invertebrates	Invertebrates
Unit 1a- Lakes	• Unit 3: Coral reefs	<ul> <li>Unit 1- Phylogeny</li> <li>Classification</li> <li>invertebrate diversity</li> <li>aquatic animal features</li> <li>evolution of the Metazoa</li> <li>Unit 2- Protists and Poriferans</li> <li>body plans</li> <li>importance of protozoa</li> <li>origin of metazoa</li> <li>sponges</li> <li>placozoans</li> <li>Unit 3- Cnidarians</li> <li>Cnidarian diversity</li> <li>Class: scyphozoa</li> <li>Class: hydrozoa</li> <li>Class: Anthozoa</li> <li>Ctenophore phylogeny</li> <li>Unit 4- Mollusks</li> <li>Body Plans</li> <li>Gastropods</li> <li>Bivalves</li> <li>Cephalopods</li> <li>Unit 5- Arthropods and Echinoderms</li> <li>Chelicerates</li> <li>Copepods and Brachiopods</li> <li>Decapods</li> <li>Cirripeds</li> <li>Echinoderm characteristics</li> <li>Asteroids &amp; Ophiuroids</li> <li>Echinoids &amp; Holothuroids</li> <li>Crinoids and Ech. phylogeny</li> <li>Unit 6- Worms</li> <li>Platyhelminthes</li> <li>Parasites</li> </ul>	<ul> <li>Nematodes</li> <li>Annelids</li> <li>Polychaetes</li> <li>Onychophorans</li> <li>Unit 7- Invertebrate         <ul> <li>Chordates</li> <li>Hemichordates</li> <li>Cephalochordates</li> <li>Chordate Evolution</li> </ul> </li> <li>Final Project: Identification of and solution to specific ecological problem/issue</li> </ul>

Subject: Sports Science Grade Level: 11th/12th Updated Review August 2025

FIRST QUARTER	SECOND QUARTER	THIRD QUARTER	FOURTH QUARTER
FIRST QUARTER	SECOND QUARTER	THIRD QUARTER  Unit 1: What is Sports Science?     Fields within sports science     Careers in sports science     Role of data, measurement, and experimentation in athletics  Unit 2: History & Evolution of Sport     Ancient sports and early training methods     Olympic history and international competition     Evolution of rules, equipment, and performance standards     Impact of science and technology on modern sport  Unit 3: Sports Psychology     Motivation and goal-setting     Focus, visualization, and confidence     Stress, anxiety     Team dynamics and leadership in sport  Unit 4: Training Principles & Performance     Core principles of training     Periodization and seasonal planning for athletes     Endurance vs. power sports     Recovery methods  Unit 5: Nutrition & Hydration     Macronutrients and micronutrients for athletes     Pre-game, during-game, and recovery nutrition     Hydration strategies and	Unit 6: Env. Impacts on Sport  Performance in heat, cold, and altitude  Acclimatization and adaptations Indoor vs. outdoor performance Environmental challenges (pollution, air quality, climate)  Unit 7: Sports Technology & Innovation Wearable technology Video analysis and motion capture Equipment design innovations Controversy of "technology doping"  Unit 8: Strategy, Rules & Analytics Role of strategy in team vs. individual sports Using data and statistics in decision-making Game theory in sport Evolution of rules and officiating technology  Unit 9: Applied Sports Science & Final Project Case studies of athletes and teams Designing a mock training plan or performance improvement strategy Student-led investigations or sport analysis projects Review of major concepts Final assessment / project showcase
		<ul><li>electrolyte balance</li><li>Ergogenic aids and supplements</li></ul>	

Subject: Kinesiology Grade Level: 11th/12th Updated Review August 2025

FIRST QUARTER	SECOND QUARTER	THIRD QUARTER	FOURTH QUARTER
<ul> <li>Unit 1: Introduction to Kinesiology</li> <li>What is kinesiology?</li> <li>Applications in sports, health, and rehabilitation</li> <li>Anatomical position, planes of motion, directional terms</li> <li>Unit 2: Skeletal System</li> <li>Structure and function of bones</li> <li>Major bones of the body</li> <li>Types of joints and movement</li> <li>Bone growth, repair, and</li> </ul>	Unit 6: Exercise Physiology & Energy Systems (Weeks 10–11)  ATP and energy pathways  Aerobic vs. anaerobic activity  Cardiovascular and respiratory responses to exercise  Short-term vs. long-term training adaptations  Unit 7: Injury Prevention & Rehabilitation (Weeks 12–13)  Common sports injuries (sprains,		
<ul> <li>common injuries</li> <li>Unit 3: Muscular System</li> <li>Types of muscle tissue</li> <li>Major muscle groups and actions</li> <li>Sliding filament theory (how muscles contract)</li> <li>Muscle fatigue, soreness, and</li> </ul>	strains, concussions)  First aid and RICE method Principles of recovery and rehabilitation Importance of flexibility and mobility  Unit 8: Performance & Training		
<ul> <li>Muscie latigue, soreness, and injuries</li> <li>Unit 4: Nervous System &amp; Motor Control         <ul> <li>Nervous system role in movement</li> <li>Neurons, reflex arcs, motor units</li> <li>Balance, coordination, and</li> </ul> </li> </ul>	Principles (Weeks 14–15)  Principles of fitness (specificity, overload, progression)  Training methods for strength, endurance, agility, speed  Role of nutrition and hydration  Periodization and training cycles		
reaction time  • Motor learning and skill acquisition  Unit 5: Biomechanics & Movement	Unit 9: Applied Kinesiology & Final Project (Weeks 16–18)  Movement analysis of sports (running, jumping, throwing) Ergonomics and efficiency in		
<ul> <li>Principles</li> <li>Newton's Laws in human movement</li> <li>Levers in the human body</li> <li>Balance, stability, and center of gravity</li> <li>Sports skill and motion analysis</li> </ul>	<ul> <li>movement</li> <li>Technology in sports         performance (wearables, video         analysis)</li> <li>Student presentations &amp; review         of key concepts</li> <li>Final exam / assessment</li> </ul>		

Subject: Environmental Science Grade Level: 11th/12th Updated Review August 2025

FIRST QUARTER	SECOND QUARTER	THIRD QUARTER	FOURTH QUARTER
I. Introduction to Environmental	IV. Air Pollution		
Science	- Pollution Effects		
- Sustainability	- Air Protection Laws		
- Ethical Concerns	-		
- Environmental Racism			
- Ecological Laws	V. Water Access and Water Pollution		
- Scientific Models	- Water Protection Laws		
- Energy Conservation	- Privatization of Water Access		
- Scientific Method (process)	- Water Cycle		
- Data Collections	- Potable Water		
	- Water Sources		
II. Economics and Environmental	- Water Pollution,		
Policy			
- Economics of Environmental Policy			
- US Environmental Policy	VI. Land Use		
- International Environmental Policy	- Land Management		
III. The Biosphere	-		
- Abiotic/Biotic Factors	VI. Conservation		
- Ecosystems	- Protected Areas vs Resource		
- Equilibrium of Ecosystem	Gathering		
- Biological/Ecological Evolution			
(Succession)			
- Adaptations			
- Biodiversity			