

	Week	# Days	Unit	Topics by week	Lab or Simulation
Quarter 1	1	5	Unit 1: Introduction	Chapter 1: An Introduction to Environmental Science	1.0 The Discovery of the Ozone Hole (3D) 1.1 Comparing Ecological Footprints (MI) 1.1 Finite Resources (M) 1.2 Green vs. Conventional Cleaners (SM) 1.2 Measure for Measure (GO) 1.3 Local Research Studies (IYN) 1.3 Can You Repeat That? (QL)
	2	5		Chapter 2: Economics and Environmental Policy	2.0 Economics and Environmental Policy on the Mexican Border (3D) 2.1 Working Trees (PP) 2.1 Cost-Benefit Analysis (QL) 2.2 Pending Legislation (IYN) 2.3 Choose an Approach (PP) 2.3 Analyzing Plans (RD)
	3	5		Chapter 3: Earth's Environmental Systems	3.0 Cause and Effect of Dead Zones (3D) 3.3 Age the Islands (PP) 3.3 Distribution of Earth's Water (QL) 3.3 Pangaea (MI) 3.4 Effects of CO2 on Plants (PP)
	4	5			
	5	4	Unit 2: Ecology	Chapter 4: Population Ecology	4.0 Geography and Climate of Monteverde (3D) 4.1 Abiotic and Biotic Factors (GO) 4.2 Using Mark-and-Recapture (M) 4.3 Migrating Populations (IYN) 4.3 Yeast Population Growth (SM) 4.3 Turkey Vultures (RD)
	6	5			
	7	5		Chapter 5: Evolution and Community Ecology	5.0 The Spread of the Zebra Mussel (3D) 5.1 Simulating Adaptations (M) 5.3 Life in a Drop of Pond Water (O) 5.3 Energy Flow in Communities (RD) 5.4 Invasive Organisms Near You (IYN) 5.4 Successful Succession? (QL)
	8	5			
	9	4		Chapter 6: Biomes and Aquatic Ecosystems	6.0 Controlling African Elephant Populations (3D) 6.2 Collecting Climate Data (O) 6.2 Which Biome? (RD)
Fall Break					
Quarter 2	10	5	Unit 2: Ecology	Chapter 6: Biomes and Aquatic Ecosystems (continued)	6.3 Mapping Kelp Forests (PP) 6.3 Who's in the Water? (GO)
	11	5		Chapter 7: Biodiversity and Conservation	7.0 Habitat Fragmentation in the Sikhote-Alin Mountains (3D) 7.1 Exploring Plant Diversity (O) 7.2 Overharvesting (M) 7.2 Invading Mussels (MI) 7.3 Endangered Species (IYN) 7.3 Golden Lion Tamarin (RD)
	12	5			
	13	4	Unit 3: Humans and the Environment	Chapter 8: Human Population	8.0 China's Past and Current Population Control Programs (3D) 8.1 Logevity (PP) 8.1 Population Growth Rates (RD) 8.2 Using Census Data (IYN) 8.2 Interpreting Age Structure (PP) 8.2 Build and Compare Age Structure Diagrams (QL)
	14	5		Chapter 9: Environmental Health	9.0 DDT Policy and Ecological Effects (3D) 9.2 Tracking an Outbreak (PP) 9.2 How Do Diseases Spread? (QL) 9.3 Home Hazmat Survey (IYN) 9.3 Testing for Lead (SM) 9.4 Predicting Earthquakes (MI)
	15	2			
	16	5		Chapter 10: Urbanization	10.0 Portland's Urban Growth Boundary (3D) 10.1 Local Land Cover (IYN) 10.2 Patterns of Sprawl (PP) 10.2 Population Density and Carbon Emissions (RD) 10.3 Green Building Design (PP) 10.3 Open Space (GO)
	17	5			
	18	5	FINAL EXAM REVIEW	FINAL EXAM REVIEW	
19	4	FINAL EXAMS	FINAL EXAMS		
Winter Break					

	Week	# Days	Unit	Topics by week	Lab or Simulation	
Quarter 3	20	4	Unit 4: Earth's Resources	Chapter 11: Forestry and Resource Management	11.0 Forestry in the Clayoquot Sound (3D) 11.2 How Much Lumber? (O) 11.2 Making Recycled Paper (M) 11.2 From Trees to Paper (RD) 11.2 A Tree's History (QL) 11.3 Your National Forests (IYN)	
	21	4			Chapter 12: Soil and Agriculture	12.0 Genetically Modified Crops (3D) 12.1 Testing Soil Properties (SM) 12.1 Classifying Soil (GO) 12.2 Combating Erosion (M) 12.3 Local Planting Conditions (IYN) 12.3 Origins of Agriculture (MI)
	22	5				Chapter 13: Mineral Resources and Mining
	23	5		Chapter 14: Water Resources	14.0 The Colorado River Watershed (3D) 14.1 Watershed Boundaries (PP) 14.1 The Mississippi River Watershed (MI) 14.2 Lake Powell (RD) 14.3 The Water You Drink (IYN) 14.3 Testing Water Quality (SM) 14.3 Cultural Eutrophication (QL)	
	24	5			Chapter 15: The Atmosphere	
	25	5		Chapter 16: Global Climate Change		16.0 The Maldives' Unique Geography (3D) 16.1 Does Latitude Affect the Sun's Rays? (QL) 16.2 Effects of Greenhouse Gases (M) 16.2 Tracking CO2 and Temperature (PP) 16.2 Changing Temperature of the Atmosphere (RD)
	26	4			Chapter 17: Nonrenewable Energy	17.0 Alaska's North Slope Controversy (3D) 17.1 Home Energy Use (IYN) 17.1 Where's the Energy? (QL) 17.2 Fossil Fuel Use (PP) 17.3 Identifying Insulators (SM) 17.3 Imports and Exports (MI) 17.3 Carbon Dioxide From Fossil Fuels (RD)
	27	5		Chapter 18: Renewable Energy Alternatives		18.0 Embracing Solar and Wind Power (3D) 18.1 Regional Renewable Energy (IYN) 18.1 Biodiesel (RD) 18.2 Comparing Biofuels (PP) 18.3 Energy from Wind (SM) 18.3 Wind Patterns (MI) 18.3 Does the Temperature Change? (GO)
	28	5			Chapter 19: Waste Management	19.0 Plans for Fresh Kills Park (3D) 19.2 Where Waste Goes (IYN) 19.2 Overpackaging (SM) 19.2 Reduce, Reuse, Recycle (QL) 19.2 Observing a Compost (SM) 19.3 Radiation and Human Health (RD)
29	5	SENIOR FINALS & FINAL EXAM REVIEW	SENIOR FINALS & FINAL EXAM REVIEW			
Quarter 4	30	5	Unit 5: Toward a Sustainable Future	Chapter 19: Waste Management	19.0 Plans for Fresh Kills Park (3D) 19.2 Where Waste Goes (IYN) 19.2 Overpackaging (SM) 19.2 Reduce, Reuse, Recycle (QL) 19.2 Observing a Compost (SM) 19.3 Radiation and Human Health (RD)	
	31	5			Chapter 19: Waste Management	19.0 Plans for Fresh Kills Park (3D) 19.2 Where Waste Goes (IYN) 19.2 Overpackaging (SM) 19.2 Reduce, Reuse, Recycle (QL) 19.2 Observing a Compost (SM) 19.3 Radiation and Human Health (RD)
	32	5				Chapter 19: Waste Management
	33	5		Chapter 19: Waste Management	19.0 Plans for Fresh Kills Park (3D) 19.2 Where Waste Goes (IYN) 19.2 Overpackaging (SM) 19.2 Reduce, Reuse, Recycle (QL) 19.2 Observing a Compost (SM) 19.3 Radiation and Human Health (RD)	
	34	4*			Chapter 19: Waste Management	19.0 Plans for Fresh Kills Park (3D) 19.2 Where Waste Goes (IYN) 19.2 Overpackaging (SM) 19.2 Reduce, Reuse, Recycle (QL) 19.2 Observing a Compost (SM) 19.3 Radiation and Human Health (RD)
	35	5*		Chapter 19: Waste Management		19.0 Plans for Fresh Kills Park (3D) 19.2 Where Waste Goes (IYN) 19.2 Overpackaging (SM) 19.2 Reduce, Reuse, Recycle (QL) 19.2 Observing a Compost (SM) 19.3 Radiation and Human Health (RD)
	36	5			Chapter 19: Waste Management	19.0 Plans for Fresh Kills Park (3D) 19.2 Where Waste Goes (IYN) 19.2 Overpackaging (SM) 19.2 Reduce, Reuse, Recycle (QL) 19.2 Observing a Compost (SM) 19.3 Radiation and Human Health (RD)
	37	5		Chapter 19: Waste Management		19.0 Plans for Fresh Kills Park (3D) 19.2 Where Waste Goes (IYN) 19.2 Overpackaging (SM) 19.2 Reduce, Reuse, Recycle (QL) 19.2 Observing a Compost (SM) 19.3 Radiation and Human Health (RD)
	38	4			FINAL EXAMS	FINAL EXAMS
Spring Break						
In-Text Labs & Activities						
Online Labs & Activities						
QL = Quick Lab						
IYN = In Your Neighborhood						
MI = Map It						
PP = Paper and Pencil						
RD = Real Data						
M = Modeling						
GO = Go Outside						
O = Outdoors						
SM = Scientific Method						
3D = 3-D Geo Tour						