**ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE COURSE**

**TIMELINE AND ASSIGNMENTS**

# **FIRST NINE WEEKS**

Fall/Pre Class Humans in the Environment – Chapters 1 & 2 p. 1-46

Chapter 1 “Introducing Environmental Science and Sustainability” – Questions 1-15

Chapter 2 “Environmental Laws, Economics, and Ethics” – Questions 1-14

The World We Live In – Chapters 3 p.48-63

Chapter 3 “Ecosystems and Energy” – Questions 1-20

**\*\*Deer Dilemma\*\***

**\*\*Chesapeake Bay Project\*\***

Week 1 & 2 The World We Live In – chapters 4 & 5 p. 65-116

Chapter 4 “Ecosystems and Living Organisms” – Questions 1-16

Chapter 5 “Ecosystems and the Physical Environment ”– Questions 1-16

Week 2 &3 The World We Live In – Chapter 6 p. 117-143

Chapter 6 “Major Ecosystem of the World”- Questions 1-15

**\*\*Ecosystems Project\*\***

Week 3 & 4 The World We Live In – Chapter 7 p.145-166

Chapter 7 “Human Health and Environmental Toxicology” – Questions 1-16

***Quantitative Questions Ch. 1-7 Due !***

**\*\*UNIT TEST\*\* Ch. 1-7**

Week 5 Our Precious Resources – Chapter 14 p. 301-326

Chapter 14 “Water a Limited Resource” – Questions 1-15

## Week 6 & 7 Our Precious Resources – Chapter 15 p. 328-347

Chapter 15 “Soil Resources” – Questions 1-18

Week 8 & 9 Environmental Concerns- Ch. 22 p. 498-524

Chapter 22 “Water Pollution” – Questions 1-15

Virtual Field Trips to a local water treatment plant and a sewer plant

\***\*Dragonfly Pond Project\*\***

Week 9 Our Precious Resources – Chapter 16 p. 349-368

Chapter 16 “Mineral Resources” – Question1-17

**\*LEAF PROJECT DUE\***

### Second Nine Weeks

Week 10 &11 Our Precious Resources – Chapters 17 & 18 – p.370-419

Chapter 17 “Biological Resources”- Questions 1-16

Chapter 18 “Land Resources” – Questions 1-17

* **Land Use Project**

**\*\*Invasive/Endangered Species Project\*\***

**\* National Parks Paper**

Week 12 & 13 Our Precious Resources – Chapters 19 p. 331-378 and Chapter 23 p.526-547

Chapter 19 “Food Resources – Questions 1-16

Chapter 23 “Pest Management” – Questions 1-16

**\*\* Unit Test Ch. 14-19, 23**

***Quantitative Questions Ch. 14-19, 23 Due !***

Week 14 & 15 Environmental Concerns – Chapter 20, 21 p.446-496

Chapter 20 “Air Pollution” – Questions 1-14

Chapter 21 “Global Climate Changes” – Questions 1-13

Week 15 Environmental Concerns- p.543-570

Chapter 24 “Solid and Hazardous Wastes”- Questions 1-17

\***Legislative List**

Week 16 &17 A Crowded World – Chapters 8, 9, and 10 p. 169-225

Chapter 8 “Population Change” Questions 1-20

Chapter 9 “Addressing Population Issues” Questions 1-18

Chapter 10 “The Urban Environment” Questions 1-16

Week 18 The Search For Energy – Chapters 11, 12 & 13 p.227-300

Chapter 11 “Fossil Fuels” – Questions 1-16

Chapter 12 “Nuclear Energy” – Questions 1-13

Chapter 13 “Renewable Energy and Conservation” Questions 1-12

**\*\*Energy Presentations Project \*\***

**\*\*BIG SCARY TEST\*\* ALL CHAPTERS!!!**

***Quantitative Questions Ch. 8-13, 24 Due !***