**APES 2018**

**AP Environmental Science Course Outline**

**Maxey #54**

**Fall Semester**

**Unit I Introduction to Environmental Science**

Test Thursday 8/24/17

Chapters 1, 2. / Fast track to a 5: Unit I (p. 59-77)

Labs: Whinograstksy Columns, Tragedy of the Commons

**Unit II Terrestrial Ecology**

Test Friday 9/15/17

Chapters 3, 5, 7 / Fast track to a 5: Unit 2 (p. 79-110)

Labs: Population mark and release, Biodiversity with Berlese funnels, Shannon-Wiener Index

**Unit III Aquatic Ecology**

Test Thursday 10/19/17

Chapters 8, 11, 13, 20 / Fast track to a 5: Unit 6 (p. 181-210)

Labs: Eco-Bottles, River Coliform Count, Dissolved Oxygen / BOD

Field Trip: River Study Wed.(9/20/17)

**Unit IV Human Population**

Test Monday 11/20/17

Chapters 6, 22, 23 / Fast track to a 5: Unit 4 (p. 139-159)

Labs: Human Population Demography (Cemetery Lab), World Population Lab

**Unit V Soil**

Test Wednesday 12/13/16

Chapter 12 / Fast track to a 5: Unit 4 (p. 139-159)

Labs: Soil Qualitative Analysis

**Fall Final Date to be announced**

**Spring Semester**

**Unit VI Biodiversity and Evolution**

Test Monday 1/22/18

Chapters 4, 9, 10 / Fast track to a 5: Unit 3 (p.111-138)

Labs: Hotspots Web quest,

**Unit VII Geology and Mineral Resources**

Test Thursday 2/8/18

Chapter 14 / Fast track to a 5: Unit 7 (p.211-232)

Labs: Geologic Timeline, Virtual Earthquake, Cookie Mining.

**Unit VIII Nonrenewable and Renewable Energy**

Chapters 15, 16 / Fast track to a 5: Unit 7 (p. 211-233)

Test Monday 3/5/18

Labs: Isotope Lab

Field Trip: CHS Refinery Date to be determined.

**Unit IX Environmental Hazards and Human Health / Solid and Hazardous Waste**

Chapters 17, 21 / Fast track to a 5: Unit 5 (p.161-180) and Unit 9 (p. 257-272)

Labs: LD 50

**Unit X Air Pollution and Climate Disruption**

Chapters 18, 19 / Fast track to a 5: Unit 8 (p. 233-256)

**Practice Exam Tuesday 4/12/18 – 4/13/18**

**Final Review Friday 4/16/17 – 4/25/18**

**\*Spring Final April 26-27 2018\***

**\*\*APES EXAM Thursday May 10th at 12 Noon\*\***