

## **Wildlife Management Spring, 2010**

**Note: While all of these topics will be covered this quarter, Mrs. Kohli reserves the right to adjust this schedule as she deems necessary. Dates in January marked with an asterisk (\*) are part of the Arizona Game and Fish curriculum pilot program. The website development project in early February is dependent on approval by the BUHSD Technology Committee.**

**Jan. 4** – Intro to class, policies & procedures.

**Jan. 5** – “Does Wildlife Sell Cigarettes?” Attitudes towards wildlife, importance of wildlife.

**Jan. 6** – **Quiz on class procedures.** “Thinking Like A Mountain” - Aldo Leopold. What is Wildlife Management, & why do we do it?

**Jan. 7** – “The North American Model: The Past, Present, & Future of Wildlife Conservation – The Brink of Extinction”\*

**Jan. 8** – “The North American Model: The Past, Present, & Future of Wildlife Conservation – The Turning of the Tides”\*

**Jan. 11** – “A Timeline of Wildlife Conservation in America”\*

**Jan. 12** – Finish “Timeline”\*

**Jan. 13** – “Championing the Cause – On the Shoulders of Giants”\*

**Jan. 14** – “Championing the Cause” continued\*

**Jan. 15** – Finish “Championing the Cause”\*

**Jan. 18** – **No School – Martin Luther King, Jr.**

**Jan. 19** – “Wildlife Conservation in Arizona – Today and in the Future”\*

**Jan. 20** – “Wildlife Conservation in Arizona” continued\*

**Jan. 21** – “Wildlife Conservation in Arizona” continued\*

**Jan. 22** – Wildlife Summit & unit wrap-up.\*

**Jan. 25** - Intro to the Threatened & Endangered Species Act. Causes of endangerment.

**Jan. 26** – “Time Passes”/ Mapping a Recovery Network

**Jan. 27** – Invasive Species, Deadly Plant Invader **lab.**

**Jan. 28** – Finish invasive species. Begin pesticides and bioaccumulation.

**Jan. 29** - Pesticides & bioaccumulation continued. Begin declining fish population & aquaculture.

**Feb. 1**– Finish declining fish population & aquaculture. Begin Living With Tigers”.

**Feb. 2** – “Living With Tigers” & discussion.

**Feb. 3** – Finish “Living With Tigers” if necessary. Discussion & intro to project.

**Feb. 4** – Team website development (if approved)

**Feb. 5** – Team website development (if approved)

**Feb. 8** – **Website Exploration** (if approved)

**Feb. 9** – Population Dynamics intro

**Feb. 10** – Biodiversity case studies (very short day – District . PLC)

**Feb. 11** – “Island of the Gray Wolves” & “Lesson of the Kaibab” – population ecology

**Feb. 12** – Carrying Capacity **Lab**

**Feb. 15** – **No School – President’s Day**

**Feb. 16** – **Owl Pellet Dissection**, dichotomous keys

**Feb. 17** – Catch up if necessary, or case studies

**Feb. 18** - Population sampling techniques overview. Transect sampling, random sampling.

**Feb. 19** – Pellet survey, transect survey.

**Feb. 22** – Mark & recapture - “How Many Fish Are in that Pond?”

**Feb. 23** – **AIMS Writing.** Mortality & fecundity tables (bring calculator!)

**Feb. 24 – AIMS Reading.** Mortality & fecundity tables (bring calculator!)

**Feb. 25 –** Forage Monitoring.

**Feb. 26 –** Finish forage monitoring. Aerial surveys

**Mar. 1 –** Mortality & fecundity tables (bring calculator!)

**Mar. 2 –** Summarize sampling techniques, intro to impact reports – “Signs Bingo”

**Mar. 3 –** Research & prepare impact report.

**Mar. 4 –** Research & prepare impact report.

**Mar. 5 –** Research & prepare impact report.

**Mar. 8 – Environmental Impact Reports**

**Mar. 9 –** Finish impact reports if necessary. Catchup/review

**Mar. 10 –** Catchup/review

**Mar. 11 – Final exams.**

**Mar. 12 – Final exams.**

**(Spring Break)**

**Mar. 22 –** Intro to Ecology. Habitats and adaptations

**Mar. 23 –** “How Many Bears?”

**Mar. 24 –** Arizona Biomes & Habitats lab.

**Mar. 25 –** Arizona Biomes & Habitats lab.

**Mar. 26 –** Sources of water pollution and water quality issues. Water webquest

**Mar. 29 –** Water sample analysis.

**Mar. 30 –** Fire management

**Mar. 31 – AIMS Math (Probably no class)**

**Apr. 1 – AIMS Science.** “Paradise Lost”

**Apr. 2 – Holiday – No School**

**Apr. 5 – Quiz.** Damage mitigation & restoration ecology.

**Apr. 6 –** Finish mitigation & restoration.

**Apr. 7 –** Deforestation & effects. “Is Clear-Cutting Really a Clear Issue?”

**Apr. 8 –** Finish clear-cutting debate. Succession.

**Apr. 9 –** Urbanization & effects: “The Urban Elephant”.

**Apr. 12 –** Urban sprawl webquest, begin Range Wars

**Apr. 13 –** Range Wars/ “Mary HAD a Little Lamb”

**Apr. 14 –** Is There a Problem with Wildlife on our Roads?”

**Apr. 15 –** “How Do We Stop Wildlife-Vehicle Collisions?”

**Apr. 16 –** Finish and discuss “Collisions”. Begin “Do Underpasses Really Work?” if time.

**Apr. 19 –** “Do Underpasses Really Work?”

**Apr. 20 –** Guest speaker if possible, otherwise review/catchup.

**Apr. 21 – Unit Test**

**Apr. 22 –** Intro to GPS & GIS

**Apr. 23 –** Layer prep using GPS

**Apr. 26 –** Finish layers and discuss.

**Apr. 27 –** Intro to GIS.

**Apr. 28 –** GIS basics, continued.

**Apr. 29 –** Finish GIS worksheets

**Apr. 30 –** Radio telemetry and triangulation

**May 3 –** Wolf tracking

**May 4 –** Bass tracking

**May 5** – Elk/coyote tracking (*very short period* – District PLC)

**May 6** – Careers research project intro and research. Review for test.

**May 7** – **GPS & GIS Test**

**May 10** – Discussion on “The Grizzly Man”, and other researchers.

**May 11** – Appropriate methods of increasing awareness.

**May 12** – “Emerging Careers” (very short day due to Academic Awards Assembly)

**May 13** – **Career presentations**

**May 14** – **Career presentations.**

**May 17** – **Senior Finals** (Catchup/review)

**May 18** – **Senior Finals** (Catchup/review)

**May 19** – **Final Exams**

**May 20** – **Final Exams**