

My goal is to incorporate the ACES program into the two main classes I teach at the high school level. Biology is a ninth grade class and AP Environmental Science is a mix of Junior and Senior students. Indicated below are the major units for each course and the ACES lesson plan that can be incorporated to that unit. While I placed each of the 18 main lessons plus the additional nationwide lessons it is likely that I will modify many of the lesson to take only a part that corresponds best to the topic and time available. My broad goal is to allow the students to gain experience looking at real world data, with the associated thrills and confusions, while providing them with the necessary curriculum as it pertains to specific examples.

You may notice I have placed the lessons for the entire year. Currently it is the end of January and we are already a couple weeks into the spring semester at my school. My hope is to include the second semester lessons in what remains of this year and then incorporate the full set of lessons beginning next year.

Biology

Semester	Biology Unit	ACES Lesson
Fall	A Intro to Science B Evolution Pt 1 C Ecology D Cell Biology Pt 1	Les 1: Diving into Ocean Ecosystems Les 11: Animal Needs and Animal Tracking Les 5: Seasons of Change Les 9: Biodiversity in the Ocean Les 10: Food Webs in Action
Spring	E Cell Biology Pt 2 F Genetics G Physiology (<i>H - Dissection of representative organisms</i>) I Evolution Pt 2	Les 8: Photosynthesis in the Ocean Les 16: Internet Treasure Hunt Les: Tracking Marine Animals

AP Environmental Science

Semester	APES Unit	ACES Lesson
Fall	A What is Environmental Science? B Environmental Policy C From Chemistry to Energy to Life D Evolution to Ecology E Populations	Les 3: Migrations in the Sea Les 2: The Ocean over Time Les 4: Explore the Seafloor Les 6: The Sea Surface

	F Soil and Agriculture G Conservation Biology	Les 13: Runoff and Phytoplankton Les 14: A Time for Tides
Spring	H Urbanization and Environmental Health I Aquatic Resources J Atmospheric Science and Air Pollution K Global Climate Change L Fossil Fuels and Energy Conservation M Conventional Energy Alternatives N Renewable Energy Alternatives O Waste Management P Sustainable Solutions Q Summative Activities	Les 7: Take a Voyage to the Deep Les 12: Which Way to the Sea? Les: Campus Debris and the Ocean Les 15: Learning to Research Les 17: Expert Team Research Les 18: Expert Team Analysis