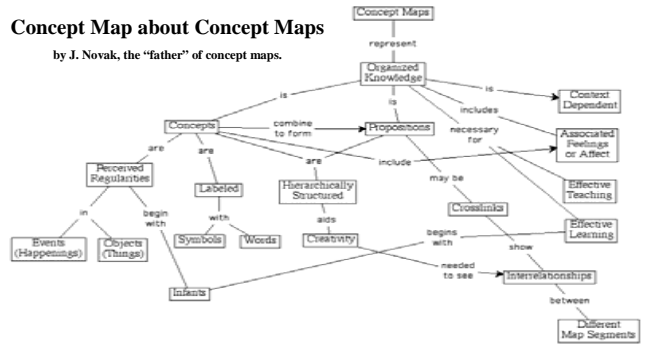


Concept Maps: a Multipurpose Tool for Environmental Education

John Jung, Mesa High School *Environmental Science*
 Master of Natural Science Program, School of Life Science, ASU

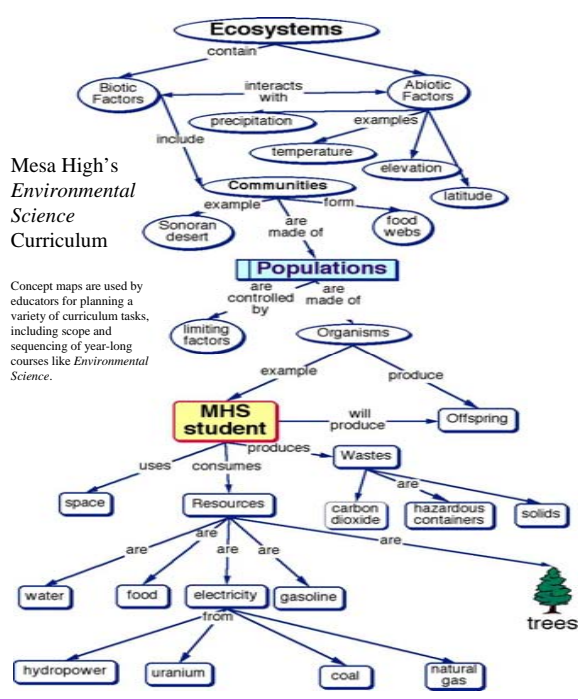
Concept Map about Concept Maps

by J. Novak, the "father" of concept maps.



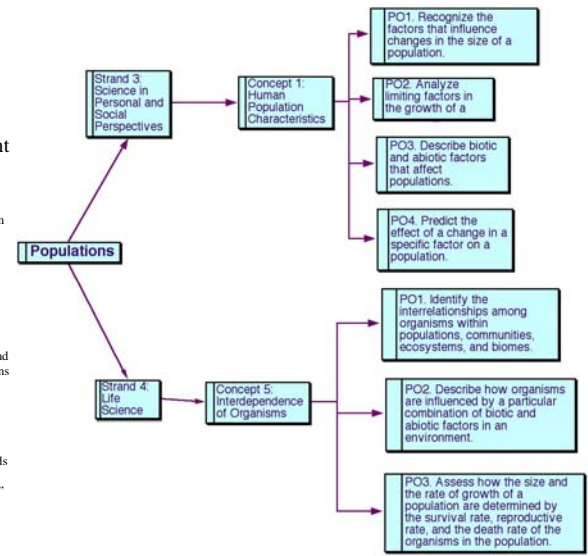
Mesa High's Environmental Science Curriculum

Concept maps are used by educators for planning a variety of curriculum tasks, including scope and sequencing of year-long courses like *Environmental Science*.



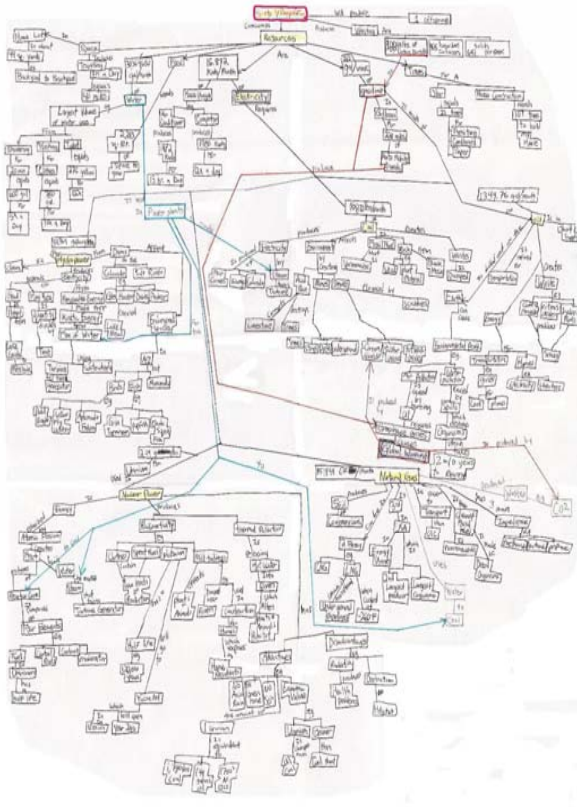
State Science Standard Alignment

Arizona's K-12 public schools write curriculum based on the Arizona Department of Education's Standards. Concept maps help teachers insure that units of instruction and daily lesson plans align with the standards from one or more subject areas, including the science standards associated with the "Population" unit of *Environmental Science*.



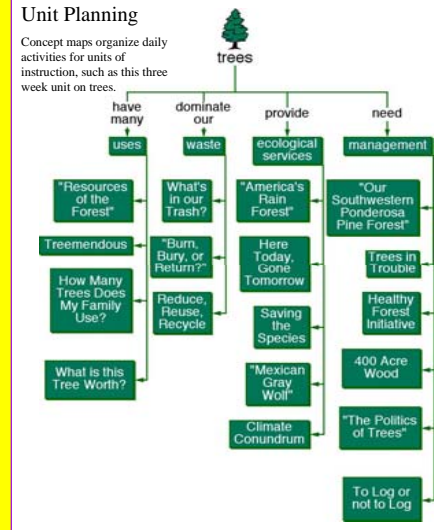
A Mesa High School Student's Resource Inventory and Energy Concept Map

This scan of a student-constructed map represents concepts learned during the second quarter of *Environmental Science*.



Unit Planning

Concept maps organize daily activities for units of instruction, such as this three week unit on trees.



Research Paper Planning

Concept mapping is an alternative method of pre-writing. This map organizes the research background of this project.

