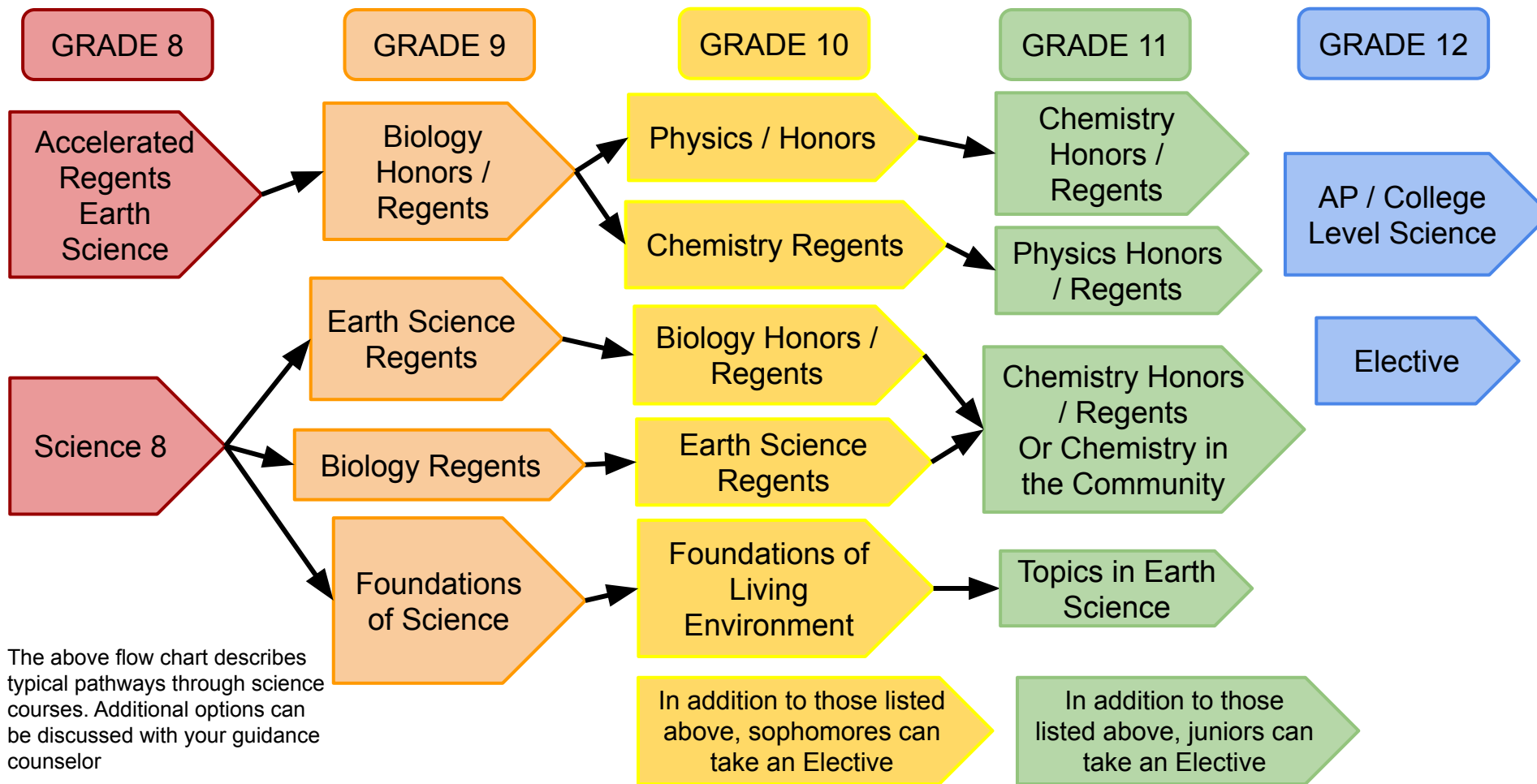


SCIENCE COURSE PATHWAYS



Teaching Science Theory and Practice

Students will be actively engaged in designing and creating lessons in different scientific disciplines and then teaching these lessons to elementary level students in the Arlington district.



Contemporary Issues

Biomedical focus Focus on changes and challenges our society is faced with in respect to issues including stem cell research, assisted reproductive technologies, genetic engineering, and ethics of scientific research.



Physical Science Focus on the changes and challenges our society is faced with in respect to issues including climate change, nuclear energy and weapons, the impact of alternative fuel sources on the world food supply, and the drive to explore other planets.

Anatomy and Physiology: For Future Health Professions

The study of the relationships between the structures and functions of the human body.



Science Research

Students plan and conduct their own original research project.
Applications for this course due March 1.

Biological/Environmental

Open to juniors & seniors.
One or two year option



Climate & Energy focus

Focused on reducing our community's carbon footprint and raising awareness of climate change.
Open to all high school students



Astronomy

The study of objects and phenomena that lie beyond the Earth's atmosphere.



Marine Biology

Fall - a focus on smaller organisms including microscopic plankton and corals.
Spring - a focus on larger organisms including dolphins, whales and fish.



Evolution and Animal Behavior

This course is the study of the forces of nature that rule over the long term survival and reproduction of all species on Planet Earth.

Forensic Science

This course is the study of the physical evidence left at the scene of a crime, including units on fingerprinting, hair, fiber and DNA analysis.



Natural Disasters

This course is the study of the various types of natural disasters that can occur on Earth, including hurricanes, earthquakes and long-term disasters such as global warming.