

**ADAMS COUNTY/OHIO VALLEY SCHOOL DISTRICT
POWER STANDARDS (INDICATORS)**



**SCIENCE
GRADE ELEVEN**

Apply scientific inquiry to every topic taught.

Analyze data tables/data sets to evaluate and apply.

Standard – Scientific Ways of Knowing

Explain how theories are judged by how well they fit with other theories, the range of included observations, how well they explain observations and how effective they are in predicting new finds.

Recognize that bias affects outcomes.

Explain how natural and human induced hazards present the need for humans to assess potential danger and risk.

Research the role of science and technology in careers that students plan to pursue.

Standard – Life Science

Analyze the influence of humans on other organisms through land use, pollution, air, water, and soil quality.

Examine the contributing factors of human population growth that impacts natural systems.

Demonstrate an understanding of how variations in the arrangement of atoms from the base of variety biological and chemical phenomena.