

Krueger Middle School

Environmental Course Descriptions

2023 - 2024

ENVIRONMENTAL SCIENCE courses use the KMS campus as an outdoor classroom. The classes are for one semester. If a student receives an A or B in both the seventh and eighth grade classes, they will receive one Environmental Science high school credit.

SEVENTH GRADE class is designed as two nine-week units and focuses on land-based activities that impact the local environment including terrestrial and atmospheric systems.

EIGHTH GRADE class is designed as two nine-week units. Students analyze interactions between plant, animal, and human activity that determine the overall health of our local habitat.

KRUEGER WELLNESS combines physical education and health classes with an environmental emphasis. The focus is the enjoyment of the outdoors, as well as education and stewardship of our natural resources. The goal is to give students the knowledge and the skills to be active in their environment and to increase participation and sensitivity to management and preservation efforts. Orienteering, outdoor lawn games, fishing, and archery are units that have been added to the curriculum.

COMPUTER SCIENCE works on preparing students for the ever-changing world of computers through the Project Lead the Way curriculum. 7th grade studies Computer Science for Innovators and Makers. Students will learn about programming for the physical world by blending hardware design and software development. Eighth grade studies App Creators. Students will be exposed to computer science by computationally analyzing and developing solutions to authentic problems through mobile app development.

DIGITAL ART I — SEVENTH GRADE Students will explore digital art methods through designing logos, digitally manipulating and enhancing photographs, and creating photo collages, flyers, and posters as a means of communicating their message effectively through effective graphic layouts and designs.

DIGITAL ART II — EIGHTH GRADE This course allows students to review and show off their digital design skills by independently creating a digital portfolio using different programs. Students will be exposed to the many career choices in digital art and graphic design. They will also employ skills and techniques digital media programs offer for advanced users.



Krueger Middle School

Academic Honors Course Descriptions

2023 - 2024

| 7 th GRADE | 8 th GRADE |
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| <p>7th Grade Humanities is an advanced writing course working with High Abilities (HA) Social Studies to study government, citizenship, environmental issues, and Native American groups of Indiana through individualized research projects.</p> | <p>8th Grade Humanities is an advanced writing course working with HA Social Studies to study the legislative process and participate in a Mock Congress. Other content includes the Industrial Revolution, pioneer days in Indiana, and the American dream assessed with differentiated individual research projects.</p> |
| <p><i>BRINGING HISTORY TO LIFE</i> is a program utilizing humanities and social studies in both SEVENTH and EIGHTH grades. It is presented to local FOURTH grade students.</p> | |
| <p>7th Grade Advanced Science is an accelerated science class for students who excelled in elementary science. This class is an accelerated class that squeezes seventh and eighth grade science into one year with a faster pace and by deleting all of the life science seventh and eighth grade standards. Students who do well in this class will be eligible to take Biology in eighth grade.</p> | <p>Biology I is high school Biology. (Students will receive high school credit if they earn a grade of C or above.) Students focus on Biology I standards.</p> |
| <p>7th Grade Pre-Algebra prepares students for Algebra I. The curriculum includes, but is not limited to, computation with rational numbers, solving and graphing linear equations and inequalities, Pythagorean Theorem, and problem solving.</p> | <p>Algebra I continues the study of algebraic concepts including operations with real numbers and polynomials, relations and functions, creation and application of linear functions and relations, and an introduction to nonlinear functions. Appropriate technology, from manipulative to computers, will be used regularly for instruction and assessment.</p> |
| 7 TH & 8 TH GRADE | |
| <p>HA LANGUAGE ARTS follows the same curriculum pace as the general reading and language arts class, however, additional components are added to challenge this group of high achievers. Along with higher-level text and discussions, more advanced writing standards are required from the students while they learn rigorous writing skills and strategies. Additional reading requirements must be met throughout each quarter to meet the demands of this challenging class.</p> | <p><i>In order to receive high school credit, students must earn a grade of "C" or higher, receive their teacher's recommendation, and earn either two (2) math credits or two (2) credits in physics during the student's last two years in high school.</i></p> |

