



This network is designed for the student who wants to creatively explore learning. Advanced levels of the arts, language, and forms of expression encompass the framework for this individualized experience. This network is for the student who wants to discover unique ways for imaginative learning.

## #989000 8th Grade Core Infusion with an Emphasis on Design Thinking

### Grade 8

The focus of the Core Infusion program is to create critical thinkers and innovators. This is a multidisciplinary approach that pairs Language Arts 8 and Science 8. Students will engage with grade level curriculum through project-based learning with an emphasis on Design Thinking. Core Infusion uses standards-referenced instruction, assessment, and a grading system that encourages a high level of academic competence paired with a growth mindset. This is a year-long, two period block and is located on the Innovation Campus. **Enrollment is limited.**

### #300500

Two Semesters

1 English Unit

### Language Arts 8

Language Arts 8 follows a curriculum based on Ohio's Learning Standards for English Language Arts for grade 8. As students work to achieve mastery of the standards, they will read, write about, and interpret literature. Literature will include texts of varying complexity and interests, with students reading both high-quality contemporary and classic pieces. Students will practice effective reading strategies and develop close reading skills as they engage in critical analysis of texts. All parts of the writing process will be integral to the course, with students actively involved in the writing process of prewriting, drafting, revising, and editing for various pieces. Time will also be spent studying aspects of grammar and basic writing conventions.

**Grade Level: 8**

**Prerequisite: Successful completion of Language Arts 7**

### #550500

Two Semesters

1 Science Unit

### Science 8

This general science course is aligned to Ohio's Learning Standards. This science course includes science concepts, processes and ways of thinking. Earth science is a major part of this course, where students examine the Earth's structure, plate tectonics, land formations, constructive and destructive processes, the geological time scale and dating of rocks and fossils. In life science, students will explore how natural selection affects populations. They will study differences between asexual and sexual reproduction, the relationship between meiosis and mitosis and Mendel's Laws of Heredity. In physical science, students study the effects of balanced and unbalanced forces as well as contact and noncontact forces.

**Grade Level: 8**

**Prerequisite: Successful completion of Science 7**