vidcode Art and Technology

Vidcode's Art and Technology unit teaches students JavaScript in a fine arts context. In addition to learning concepts in JavaScript, students will learn about the arts in relation to technological innovations and how they have influenced artistic movements. For the course, students will maintain a digital portfolio of multimedia works that demonstrate their knowledge of programming, design principles, and artistic perspectives.

FORMAT

Vidcode is a project-based web curriculum with year-long courses that are delivered in units. Our courses are developed in cohesion with one another, and as stand-alone environments. The projects in this course review previously learned concepts and introduce new ones through open-ended projects.Our cross-curricular units are designed for integration within or alongside an existing curriculum and can be implemented in a variety of ways.

WHO IS THIS FOR?

The Vidcode Art and Technology unit is an opportunity for students to learn about the history of technology and the arts through learning JavaScript.

LEARNING OBJECTIVES

Students learn beginning to intermediate JavaScript as a tool for artistic expression and make connections to the historical interplay of the arts and technology.

Photography and Painting

Code focus:
- Variables
- Order of Operations
- Object, Property, Method

Art history: Photography and 19th century painting

Sending a Message

Code focus:
- Arrays and Index
- Functions and Arguments
- Libraries

Art history: Pop Art, social activism and art

Computer art

Code focus:
- Loops
- Manipulating Arrays
- Commenting, programmer etiquette

Art history: algorithmic art, computers and art