

Course of Study 2-D Computer Art & Animation

Course Description:

In 2-D Computer Art & Animation, students will learn the principles of 2-D animation while creating projects using Adobe Flash. Through various projects, students will utilize skills acquired in academic courses while creating computerized animations.

Course Credit:

This course counts as 1/2 credit of **General Elective or Technology or Art**.

Purpose of Course:

In 2-D Computer Art & Animation, students will learn the principles of 2-D animation while creating projects using Adobe Flash. The course is learned through hands-on instructions while emphasizing student creativity. Through various projects, students will utilize skills acquired in academic courses while creating computerized animations. Students learn the process of production from writing the script, to rendering the final product.

Course Content:

Here organize course by units and clusters with accompanying CCSS.

Unit	Standard Clusters
Utilize the basic principles of 2-D animation	<ul style="list-style-type: none">• Explain the principles of continuity, key frames, motion paths, and motion• Create special effects and virtual navigation• Identify available animation software programs/tools• Create 2-D sprite animation• Discuss the principles of cell animation• Explain timelines, key frames, and objects in animation
Develop animated characters	<ul style="list-style-type: none">• Design a character based on a narrative context• Develop characters in accordance with designs• Animate a character so as to express its nature• Capture motion• Design 2-D characters
Demonstrate knowledge of virtual environment	<ul style="list-style-type: none">• Explain the basic principles of virtual environment• Explain the principles of geometry relative to virtual environment• Differentiate virtual environment files format• Manage polygon resources• Create a basic virtual environment
Demonstrate animated Webpage	<ul style="list-style-type: none">• Design a user-friendly website• Animate characters in the design• Customize a website given customer's specifications