

# Computer Animation

Academic Representative



Technology Education Concepts

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## Description

Animate means to bring to life, which is exactly what students do in this project-packed curriculum. Students bring objects and characters that they create or import to life using Adobe Animate CC. Along the way, they discover important movement principles, numerous animation techniques, and the functions of animation in today's society.

## Skills

- Create responsive buttons for a slideshow.
- Import sounds from an external library.
- Set up a menu bar for a mobile app.
- Develop animations using all forms of tweening.
- Create a frame-by-frame animation.

## Knowledge

- Identify audio and video file formats.
- Identify the three principles of movement.
- Discuss image optimization techniques.
- Discuss the importance of responsive web design.
- Discuss the evolution of animation.

## Activities

- Activity 1 - Introduction
- Activity 2 - Animation Principles
- Activity 3 - Animation Graphics and Sounds
- Activity 4 - Tween Creation
- Activity 5 - Slideshow Design
- Activity 6 - Slideshow Interactivity
- Activity 7 - Web Page Design
- Activity 8 - Animated Menu Code
- Activity 9 - Responsive Web Design
- Activity 10 - Post-Test and Wrap-Up
- Activity 11 - Bonus Activities
- Activity 12 - Challenge
- Activity 13 - Open-Ended Challenge
- Activity 14 - Careers
- Activity 15 - Internet

## Standards

Math/Measure Problem Solving Reading

## Module Includes:

Student Workbook, Instructor's Manual, Installation CD, Headphones (2).

Adobe Animate software is not included. Computer and supplies are required and sold separately.

## Requirements

Computer and supplies are required and sold separately.

## Curriculum Specifications

The student workbook contains concise hands-on procedures, illustrations, screen captures, and photographs which reinforce the multimedia content. Special attention is placed on interesting and relevant graphics to encourage visual learning. DEPCO Studio is an effective curriculum delivery system that uses the power of the computer to deliver educational content. By using interesting digital videos, full-color animations, professional quality narrations, challenging interactions, relevant photographs, and Computer Aided Instruction (CAI), DEPCO has modernized the way subject matter is taught. Modules are 15 units consisting of: - 10 basic activity days with Pre-Test, Post-Test, and Activity Review Questions - 5 enrichment activities include: vocabulary reinforcement, problem-solving, open-ended challenges, careers, and Internet activities An instructor's section includes: lesson plan outlines, installation instructions, and answer keys

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