Course Title – Animation & Interactive Web Design	
Implement start year – 2014-2015	
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Unit 4, topic – Interactive Web Design and Integration Students will be able to independently use their learning to design and create an interactive and integrated website.	

Stage 1 – Desired Results

| **Established Goals**

2009 NJCCC Standard(s), Strand(s)/CPI #
(http://www.nj.gov/education/cccs/2009/final.htm)
Common Core Curriculum Standards for Math and English
(http://www.corestandards.org/)

1.1 The Creative Process: All students will demonstrate an understanding of the elements and principles that govern the creation of works of art in dance, music, theatre, and visual art.

8.1 Educational Technology: All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaboratively and to create and communicate knowledge.

9.1 21st-Century Life & Career Skills: All students will demonstrate the creative, critical thinking, collaboration, and problem-solving skills needed to function successfully as both global citizens and workers in diverse ethnic and organizational cultures. | **21ˢᵗ Century Themes**
(www.21stcenturyskills.org)

☒ Global Awareness
☐ Financial, Economic, Business and
 Entrepreneurial Literacy
☐ Civic Literacy
☐ Health Literacy
☐ Environmental Literacy
<hr>**21ˢᵗ Century Skills**

Learning and Innovation Skills:
☒ Creativity and Innovation
☒ Critical Thinking and Problem Solving
☒ Communication and Collaboration

Information, Media and Technology Skills:
☐ Information Literacy
☐ Media Literacy
☒ ICT (Information, Communications and
 Technology) Literacy

Life and Career Skills: |

Enduring Understandings:	**Essential Questions:**
Students will understand that . . .	
EU 1	*EU 1*
Appropriate use of web design software will make the design process more efficient.	• Why is there a design process? • How do the technical aspects of CSS impact web design? • How does software impact web design?
EU 2	
Integrating animation and image manipulation are essential in interactive Web Design.	*EU 2* • How does animation impact interactivity of a website? • How does software influence interactivity?
EU 3	
Interactivity should support the overall design of a site.	*EU 3* • How important is interactivity to the overall design of a website? • How does interactivity enhance the users' experience?

Knowledge:	**Skills:**
Students will know . . .	*Students will be able to . . .*
EU 1	*EU 1*
• All aspects of the web design process. • The purpose and uses for Cascading Style Sheets.	• Create a functional website. • Formulate cascading style sheets.
EU 2	*EU 2*
• The benefits of utilizing animation in websites • Web Designers use image manipulation software to improve their websites.	• Integrate an animation into a website. • Demonstrate image manipulation use in websites.
EU 3	*EU 3*
• The appropriate uses of interactivity will enhance the website.	• Determine when it is and isn't appropriate to use interactivity. • Evaluate classmate's use of interactivity.

Stage 2 – Assessment Evidence

Recommended Performance Tasks: *Each unit must have at least 1 Performance Task. Each EU must be addressed in a performance task. Consider the GRASPS form.*

Other Recommended Evidence: *Tests, Quizzes, Prompts, Self-assessment, Observations, Dialogues, etc.*

- Student Self-Assessment and reflection
    - o Teacher generated rubric to help students evaluate design projects
    - o Teacher generated rubric to assess student work
- Projects
    - o The Music Super Store Website
    - o Favorite Sports Team Website
    - o Interactive Favorite Superhero/Villain Site
- Dialogue
    - o Benefits of animation in a site
    - o Compare and contrast HTML and CSS

Stage 3 – Learning Plan

Suggested Learning Activities to Include Differentiated Instruction and Interdisciplinary Connections: *Consider the WHERETO elements. Each learning activity listed must be accompanied by a learning goal of A= Acquiring basic knowledge and skills, M= Making meaning and/or a T= Transfer.*

- Teacher modeled lessons (A)
  - Create root folder, configuration files, and folder organization
  - Create tables
  - Create, apply and edit a cascading style sheet
- Analyze several current websites that use animation (M)
- Tutorials on website creation(M)
- Create an interactive website, integrating original navigation bars, banners, and animation(T)

Timeline:
Unit 4- Interactive Web Design and Integration 12 weeks
- Web Design Software (3 weeks)
- Image manipulation Software (3 weeks)
- Interactivity and Integration (6 weeks)