Odysseyware®

CURRICULUM OVERVIEW

Fundamentals of Digital Media

Career and Technical Education Series

Table of Contents

Fundamentals of Digital Media Course Overview

Fundamentals of Digital Media presents an overview of the different types of digital media and how they are used in the world today. This course examines the impact that digital media has on culture and lifestyle. The course reviews the basic concepts for creating effective digital media and introduces a number of different career paths related to digital media.

Students learn about the tools used as well as best practices employed for creating digital media. This includes an overview of the new media creation process and the basics concepts of project management.

In the course, students explore topics such as the use of social media, digital media in advertising, digital media on the World Wide Web, digital media in business, gaming and simulations, e-commerce, and digital music and movies. Students also review the ethics and laws that have an impact digital media use or creation.

Objectives

- Discuss different types of digital media.
- Explain the value of using online video and audio for business.
- Discuss careers in digital media.
- Compare and contrast digital media and traditional forms of media.
- Discuss living in a digital society and the changes resulting from it.
- Discuss project management as a career.
- Describe the evolution of social media.
- Discuss ethics and social media.
- Identify some challenges that the gaming industry will face in the future.
- Compare the different types of computer languages.
- Determine the role digital media plays in globalization.
- Explain the limitations of doing business on the web.
- Describe some different laws that relate to digital media.
- Explain the cannons of journalism.
- Describe some expected changes in social media and advertising.
- Determine what type of schooling is necessary for their chosen career.

Student should have a basic understanding of computers and the Internet.

Unit 1: Introduction to Digital and Online Media Types	
Assignments	
1. Course Overview	10. Project: Digital Media and Business
2. Digital Camera Basics	11. Best Practices for Digital Media
3. Digital Cameras vs. Mobile Cameras	12. Project: Analyze and Evaluate: Digital Media
4. Project: What Do People Really Know About Digital Media?	13. Quiz 2: Digital Media in Our World
	14. Special Project*
5. The Rise of Digital Libraries	15. Test
6. Project: Jobs in Digital Media	16. Course Project Part 1: Digital Media Cuts Paper Use*
7. Quiz 1: Digital Media	
8. Digital Media in Business and Society	17. Glossary and Credits
9. Storing and Sharing Online Media	

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Unit 2: Digital Media: Effectiveness and Production

Assignments

1. Traditional Media vs. Digital Media
2. The Rise of a Digital Society
3. Project: Research and Write: Is the Internet a Bad Influence on Young People?
4. Digital Citizenship
5. Project: A Digital Life
6. Quiz 1: Effectiveness of Digital Media
7. Digital Media Production
8. Tools for Digital Media Production
9. Project: Analyze and Evaluate: Websites
10. Media Production: Audio and Video
11. Project: Working in the Field
12. Quiz 2: Digital Media Production
13. Special Project*
14. Test
15. Course Project Part 2: E-waste*
16. Glossary and Credits

Unit 3: Project Management and Social Media

Assignments

1. Project Management: Project Planning
2. Project: Pet Grooming Website
3. Project Management: Project Monitoring
4. Project: Problem Solving
5. Project Management: Project Termination
6. Quiz 1: Project Management
7. Social Media Defined
8. Uses of Social Media
9. Project: Research and Learn: Social Media and Problem Solving
10. Staying Safe When Using Social Media Sites
11. Project: Current Event: Cyber Bullying
12. Quiz 2: Social Media
13. Special Project*
14. Test
15. Course Project Part 3: Social Media for A Cause*
16. Glossary and Credits

Unit 4: Gaming, Simulations, Websites, and Apps

Assignments

1. Video Games and the Video Game Industry
2. Project: The Game Designer's Presentation
3. Simulations and Modeling
4. Creating Video Games and Simulations
5. Project: New Games 101
6. Quiz 1: Gaming and Simulations
7. Creating Websites
8. Project: Research and Learn: Practice your HTML Development Skills
9. Web Pages: Beyond the Basics
10. Web Pages and E-commerce
11. Project: Designing an E-commerce Site
12. Quiz 2: Websites and Apps
13. Special Project*
14. Test
15. Course Project Part 4: Environmental Gaming*
16. Glossary and Credits

Unit 5: Trends in Digital and Online Media	
Assignments	
1. Best Practices of Digital Advertisement and Promotion	9. Project: In the Future, What Will Digital Media Look Like for You?
2. Project: Going Global	10. Finding a Career that is Right for You
3. Digital Media in Advertising	11. Project: Find Your Dream Job and Figure Out How to Land It
4. Law and Digital Media	12. Quiz 2: The Future of Digital Media
5. Project: Research and Learn: Law and Digital Media	13. Special Project*
6. Quiz 1: Digital Business	14. Test
7. Digital Audio and Video	15. Course Project Part 5: Powering a Digital World*
8. The Future of Digital Media	16. Glossary and Credits

Side label: Fundamentals of Digital Media

Unit 6: Course Project, Review, and Exam	
Assignments	
1. Course Project Part 6: Digital Media and Sustainability*	2. Review
	3. Exam

Side label: FDM

(*) Indicates alternative assignment