Chapter 17 Creating Online Pages and Sites

Chapter Objectives

Discuss the Chapter 17 objectives with students:
- Learn about the creation of the World Wide Web.
- Write HTML tags and create Web pages.
- Format Web page HTML tags.
- Create hypertext links.
- Capture, copy, and insert images on Web pages.
- Save *Word, Excel,* and *PowerPoint* documents as Web pages.
- Link Web pages to create a Web site.

Web Resources

Review the activities for Chapter 17 that are found on the Web site. Decide whether you wish to have students complete the games and activities.

- Data Files
- Vocabulary Flash Cards
- Beat the Clock, HTML
- *PowerPoint* Reviews
- More Activities
  - Chapter 17 Supplementary Activity, Create a Web Page
  - Chapter 17 Supplementary Activity, Create and Link Web Pages

Slides

Preview the *PowerPoint* slides for Chapter 17 found on the IRCD. Decide which ones you will use for your presentations and demonstrations.

Assessment

Exam*View* test for Chapter 17

Lesson 103 Learning How the Web Works with HTML

Lesson Objectives

Discuss the Lesson 103 objectives with students:
- Learn about the creation of the World Wide Web.
- Write properly nested HTML tags and learn how HTML tags work.
- Save and view web pages.
- Add paragraph and line breaks to a web page.
- Insert a title for the title bar of a web page.

Data Files

- *index*

Software Features

The following software features are introduced in Lesson 103:

- Create a web page using HTML tags
- Add paragraph and line breaks to a web page
- Insert a title for the title bar of a web page

Document Formats

No document formats are taught in this lesson.

Vocabulary Terms

The vocabulary terms from Lesson 103 and their definitions are listed below. Explain the meaning of these words to students as you discuss the appropriate sections of the lesson.

HTML (HyperText Markup Language)	Language used to create and display Web pages
XML (Extensible Markup Language)	A complementary language to HTML that makes creating web pages easier
website	A collection of related Web pages
file extension	A three- or four-letter code that identifies a particular file type, for example .docx for a *Word* file or .html for a web page
open HTML tags	Tags that start commands
close HTML tags	Tags that stop commands
text editor	A simple word processing program such as *Notepad*

Teaching Strategies

Refer to the teaching notes in the *Century 21 Jr., Annotated Teacher's Edition* for each section and activity listed below.

1. Have students read Lesson 103.
2. Discuss the *Invention of the World Wide Web, How Web Pages Were First Made,* and *Building a Better Browser* sections with students. Have them complete activity *103A Learn: Visit and View Websites.* Make the data files needed for this activity available to students.
3. Discuss the *File Extensions* section with students. Have them complete activity *103B Learn: Display File Extensions*.
4. Discuss the *How HTML Tags Work* section with students. Have them complete activity *103C Learn: Enter Tags Using a Text Editor.*

5. Discuss the *Basic Formatting Tags* section with students. Have students complete activity *103D Learn: Format Paragraphs and Enter Titles.*

Lesson 104 Formatting Pages with Headings, Links, Colors, and Graphics

Lesson Objectives

Discuss the Lesson 104 objectives with students:
- Create headings in a web page.
- Add bulleted lists to a web page.
- Create hyperlinks in a web page.
- Add color values and attributes to web pages.
- Display and set height and width attributes for graphics in web pages.

Data Files

- *index*
- all files in the *myapollo17/images* folder

Software Features

The following software features are introduced in Lesson 104:

- Create headings in a web page
- Add bulleted lists to a web page
- Create hyperlinks in a web page
- Properly nest HTML tags in a web page
- Create a horizontal line in a web page
- Apply bold to text in a web page
- Add color values and attributes to web pages
- Save graphics from web pages
- Display graphics in web pages
- Set height and width attributes for graphics in web pages

Document Formats

No document formats are taught in this lesson.

Vocabulary Terms

The vocabulary terms from Lesson 104 and their definitions are listed below. Explain the meaning of these terms to students as you discuss the appropriate sections of the lesson.

nested	Organized in pairs moving from the outside in; used for some HTML tags
attribute	A characteristic, as in a background color for a web page
value	A number or a word assigned to an attribute, as in a *blue* web page background

graphical user interface (GUI)	A computer interface that displays pictures, icons, and other images

Teaching Strategies

Refer to the teaching notes in the *Century 21 Jr., Annotated Teacher's Edition* for each section and activity listed below.

1. Have students read Lesson 104.
2. Discuss the *Headings and Bulleted Lists* and *Adding Hyperlinks* sections with students. Have students complete activity *104A Practice: Create Headings, Bulleted Lists, and Hyperlinks.* Students need access to the Internet to complete this activity.
3. Discuss the *Adding Color to Web Pages* section with students. Have students complete activity *104B Apply: Add Color to a Web Page*. Then have them complete activity *104C Apply: Change Colors*.
4. Discuss the *Web Graphics and Folders* section with students. Have them complete activity *104D Learn: Save Images to a Special Folder.* Students need access to the Internet to complete this activity.
5. Discuss the *Displaying Images* section with students. Have them complete the activities in this order:
   104E Learn: Insert Tags to Display Graphics
   104F Apply: Turn a Graphic into a Link
   104G Apply: Copy Graphics to the Images Folder
   104H Apply: Create a Photo Gallery Web Page
   Make the data files needed for activity 104G available to students.

Lesson 105 Creating Web Pages Using Word, Excel, PowerPoint, and Google

Lesson Objectives

Discuss the Lesson 105 objectives with students:
- Create web pages using *Microsoft Word.*
- Create web pages using *Microsoft PowerPoint.*
- Create web pages using *Microsoft Excel.*
- Create web pages using Google Pages or another web creation tool.

Data Files

- *cernan*
- *states*
- *presidents*

Software Features

The following software features are introduced in Lesson 105:

- Create web pages using *Microsoft Word*
- Create web pages using *Microsoft PowerPoint*
- Create web pages using *Microsoft Excel*
- Create an index web page
- Link related web pages to create a web site
- Create web pages using Google Pages

Document Formats

No document formats are taught in this lesson.

Vocabulary Terms

The vocabulary term from Lesson 105 and its definition is listed below. Explain the meaning of this term to students as you discuss the appropriate sections of the lesson.

WYSIWYG	An acronym for "what you see is what you get" (pronounced *wiz-ee-wig*)

Teaching Strategies

Refer to the teaching notes in the *Century 21 Jr., Annotated Teacher's Edition* for each section and activity listed below.

1. Have students read Lesson 105.
2. Discuss the *Time-Saving Web Creation Tools* section with students. Have students complete activity *105A Learn: Create an Astronaut Biography in Word.* Then have them complete activity *105B Apply: Add an Astronaut's Picture in Word.* Make the data files needed for activity 105A available to students.
3. Have students complete activity *105C Practice: Create a Slide Show for the Web.* Make the data files needed for this activity available to students.
4. Have students complete activity *105D Apply: Create a Web Page Using Excel.* Make the data files needed for this activity available to students.
5. Discuss the *Linking Web Pages to Create a Website* section with students. Have students complete activity *105E Practice: Create an Index Web Page.* Then have them complete activity *105F Apply: Research a Science Topic for a Website.* Students will need Internet access to complete activity 105F.
6. Discuss the *Learn about Web Creation Programs, EXAMPLE: Create a New Page with Google Sites,* and *Optional: Try Sites* sections with students. Then have students complete activity *105G Apply: Build a Website for Your Science Topic Article.* Students will need Internet access for the discussion and activity.

Chapter Review

Data Files

- *DF C17 Business*
- *DF C17 Instructions*
- *DF C17 Questions*
- *DF C17 Evaluation*

Vocabulary Terms

The vocabulary term from the Chapter Review and its definition is listed below. Explain the meaning of this word to students as you discuss the appropriate sections of the lesson.

export	To send goods to another country for sale there

Teaching Strategies

Refer to the teaching notes in the *Century 21 Jr., Annotated Teacher's Edition* for each section and activity listed below.

1. Have students complete the *Reviewing What You Have Learned* questions.
2. Have students complete the activity *Create a Web Page Using Excel*. Students are to work in a team. Assign or let them choose teammates. Students need access to the Internet to complete this activity.
3. Have students complete the activity *Update Web Pages*. Make the files needed for this activity available to students.
4. Have students complete the activities in *Keyboarding Skillbuilding*.
5. Discuss the *About Business, U.S. Workers and the World Economy* section with students. Have them follow the steps provided to complete the activity. Students are to work in a team. Assign or let them choose teammates. Students need access to the data files and the Internet to complete this activity.
6. Discuss the *Life Success Builder, Interviewing Skills* section with students. Have them follow the steps provided to complete the activity. Make the data files needed for this activity available to students. Students are to work in a team. Assign or let them choose teammates.
7. Discuss the *Academic Success Builder, Student Organizations: Web Page Creation* section with students. Have them follow the steps provided to complete the activity. Make the data files needed for this activity available to students.
8. Discuss the *Career Exploration Portfolio* activity with students. Have students follow the steps provided to complete the activity. They will need Internet access for this activity. Students will work with a classmate to complete this activity.