West Virginia CTE

Webpage Publishing

Students will demonstrate knowledge of: 9278.1	**Web page applications.** **Web page updates and maintenance.** **Application Skills**
Comply with copyright and patent laws. 9278.2	**2 Comply with copyright and patent laws.** 9278.2
Make website development decisions based on analysis and interpretation of design specifications. 9278.3	**3 Make website development decisions based on analysis and interpretation of design specifications.** 9278.3
Design, build or maintain web sites, using authoring or scripting languages, content creation tools, management tools and digital media. 9278.4	**4 Design, build or maintain web sites, using authoring or scripting languages, content creation tools, management tools and digital media.** 9278.4
Use flowcharts, storyboards and wire frames to create web pages and a site map that maintain the planned website hierarchy. 9278.5	**5 Use flowcharts, storyboards and wire frames to create web pages and a site map that maintain the planned website hierarchy.** 9278.5
Insert rich media, such as video, sound and animation. 9278.6	**6 Insert rich media, such as video, sound and animation.** 9278.6
Perform or direct web site updates. 9278.7	**7 Perform or direct web site updates.** 9278.7

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Back up or modify applications and related data to provide for disaster recovery. 9278.8	**8** **Back up or modify applications and related data to provide for disaster recovery.** 9278.8
Write, design or edit web page content, or direct others producing content. 9278.9	**9** **Write, design or edit web page content, or direct others producing content.** 9278.9
Create hypertext links to other sites or pages. 9278.10	**10** **Create hypertext links to other sites or pages.** 9278.10
Create a webpage using page layout design concepts and principles. 9278.11	**11** **Create a webpage using page layout design concepts and principles.** 9278.11
Confer with management or development teams to prioritize needs, resolve conflicts, develop content criteria or choose solutions. 9278.12	**12** **Confer with management or development teams to prioritize needs, resolve conflicts, develop content criteria or choose solutions.** 9278.12
Back up files from web sites to local directories for instant recovery in case of problems. 9278.13	**13** **Back up files from web sites to local directories for instant recovery in case of problems.** 9278.13
Determine sources of web page or server problems and take action to correct such problems. 9278.14	**14** **Determine sources of web page or server problems and take action to correct such problems.** 9278.14
Identify problems uncovered by testing or customer feedback and correct or refer pr pe co	**15** **Identify problems uncovered by testing or customer feedback and correct or refer problems to appropriate personnel for correction.** 9278.15

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Evaluate code to ensure that it is valid, properly structured, meets industry standards and is compatible with browsers, devices or operating systems. 9278.16	**16 Evaluate code to ensure that it is valid, properly structured, meets industry standards and is compatible with browsers, devices or operating systems.** 9278.16
Analyze user needs to determine technical requirements. 9278.17	**17 Analyze user needs to determine technical requirements.** 9278.17
Develop or validate test routines and schedules to ensure that test cases mimic external interfaces and address all browser and device types. 9278.18	**18 Develop or validate test routines and schedules to ensure that test cases mimic external interfaces and address all browser and device types.** 9278.18
Review or update web page content or links in a timely manner, using appropriate tools. 9278.19	**19 Review or update web page content or links in a timely manner, using appropriate tools.** 9278.19
Develop databases that support web applications and web sites. 9278.20	**20 Develop databases that support web applications and web sites.** 9278.20
Monitor systems for intrusions or denial of service attacks and report security breaches to appropriate personnel. 9278.21	**21 Monitor systems for intrusions or denial of service attacks and report security breaches to appropriate personnel.** 9278.21
Implement web site security measures, such as firewalls or message encryption. 9278.22	**22 Implement web site security measures, such as firewalls or message encryption.** 9278.22
Im vis	**Implement multimedia visual and audio elements and enhancements.** 9278.23

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elements and enhancements. 9278.23

Create a table, change table and cell properties. 9278.24	24 Create a table, change table and cell properties. 9278.24
Add text to a web page. 9278.25	25 Add text to a web page. 9278.25
Maintain understanding of current web technologies or programming practices through continuing education, reading or participation in professional conferences, workshops or groups. 9278.26	26 Maintain understanding of current web technologies or programming practices through continuing education, reading or participation in professional conferences, workshops or groups. 9278.26
Use a digital camera, digital video and scanner to import visuals into a web page. 9278.27	27 Use a digital camera, digital video and scanner to import visuals into a web page. 9278.27
Explore domain registrations. 9278.28	28 Explore domain registrations. 9278.28
Incorporate technical considerations into web site design plans, such as budgets, equipment, performance requirements or legal issues including accessibility and privacy. 9278.29	29 Incorporate technical considerations into web site design plans, such as budgets, equipment, performance requirements or legal issues including accessibility and privacy. 9278.29
Identify or maintain links to and from other web sites and check links to ensure proper functioning 9278.30	30 Identify or maintain links to and from other web sites and check links to ensure proper functioning 9278.30