



IT Checklist for Administering CTECS Assessments

Checked – Meets Specs	Requirements
<input type="checkbox"/>	Browser: The testing program is supported on IE 9+, Firefox, or Chrome on Windows 7 and 8, or Mac.
<input type="checkbox"/>	Reporting: In some cases, in-browser reports are augmented with spreadsheet and/or PDF documents. Excel (or compatible) and a PDF reader (such as Acrobat Reader) are optional but not required.
<input type="checkbox"/>	Audio: Using the audio feature requires additional bandwidth; you may notice slower response times during testing. CTECS recommends using hard-wired computer Internet connections. Audio is played using HTML 5 technology.
<input type="checkbox"/>	Bandwidth: The bandwidth recommendation is a T1 line for every 150 simultaneous users. The T1 may be able to serve additional students; however, student populations greater than 150 per site have not been tested and confirmed by TFI. Bandwidth may be an issue if the connections are not "dedicated."
<input type="checkbox"/>	Display Properties: The testing program is best viewed at 1024 x 768 display resolution or higher. It will work at 800 x 600.
<input type="checkbox"/>	Memory: There are no specific requirements for the CPU, RAM, etc. If the machine will run the browser, the E-SESS application will run.

<input type="checkbox"/>	<p>Proxy Server Settings: Make sure the proxy server will not cache Techfluency.org. Responses must be sent directly to the E-SESS (Techfluency) server.</p> <p>Do not begin testing students until Proxy Server settings allow communication to flow to and from the E-SESS online testing system. Otherwise, the students will finish the test and receive a 0 score.</p> <p>Be sure to take the sample test (see next section). The timer (clock) should display correctly on the screen; if not, there is a problem and students cannot test until it is resolved.</p> <p>During testing, if you notice that the timer (clock), displayed on a student's screen looks "garbled" or undefined, there is something blocking the content. Students should NOT continue to take the test. Proctors should stop testing and contact CTECS and the IT personnel at the location to resolve the issue.</p>
<input type="checkbox"/>	<p>Firewalls and server settings: IP Information: There are three load-balanced front-end servers at Techfluency.org (the testing site):</p> <p>50.16.206.168</p> <p>107.20.217.183</p> <p>107.20.218.163</p> <p>Images are hosted at media.techfluency.org.</p>
<input type="checkbox"/>	<p>Sample Test: Access the sample test at each location before students begin testing. This ensures that there are no proxy servers preventing access to the site, no software packages preventing cookies/sessions from being stored, etc.</p> <p>To access the sample WRS test,</p> <ol style="list-style-type: none"> 1. go to secure.techfluency.org/esess 2. make the following entries into the four blanks: <ul style="list-style-type: none"> Organization: Virginia WRS First Name: sample Last Name: sample Password: sample 3. click Log In. 4. check the box to agree to statements. 5. click Begin. <p>Click the speaker icon to ensure the audio is working properly. Also, at least one graphic should be visible and the timer should be visible and clearly readable.</p>