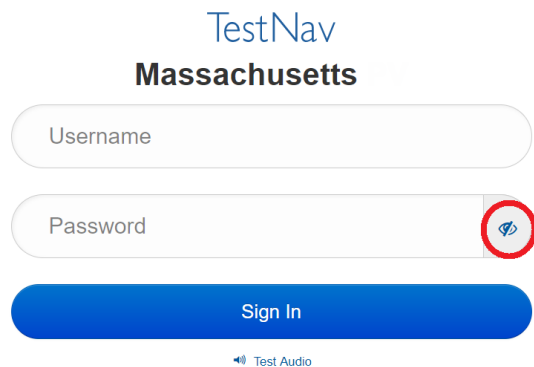


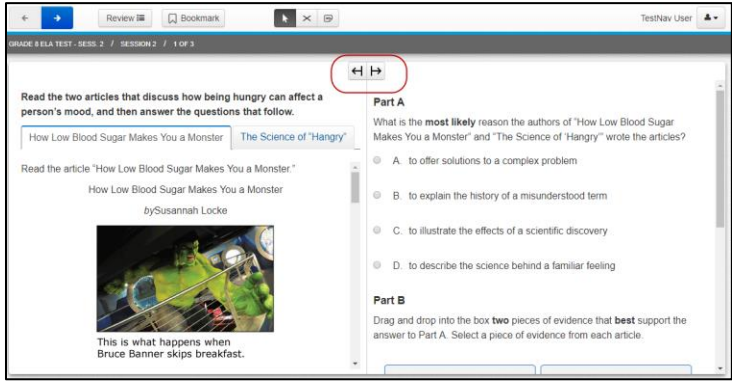
## Updates to TestNav for 2020

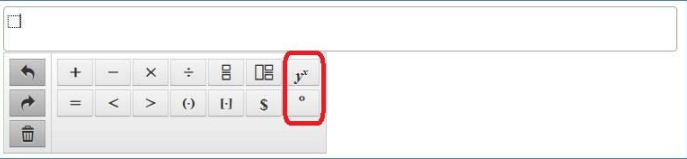

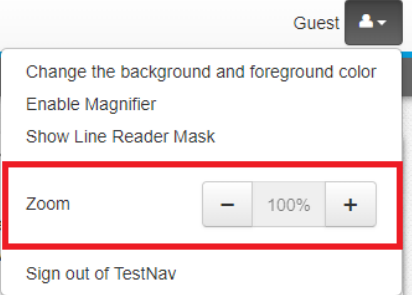
We are pleased to inform you that TestNav, the student testing platform, is being updated for spring 2020 MCAS testing. Some of these updates are based on requests from schools and districts.


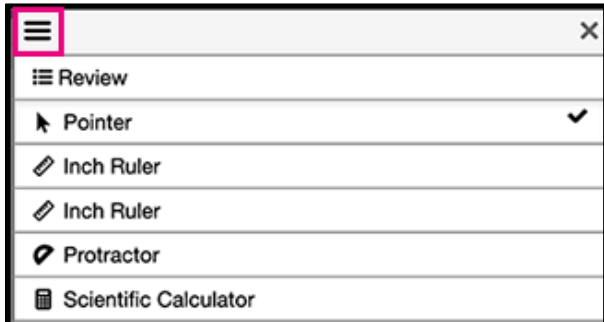
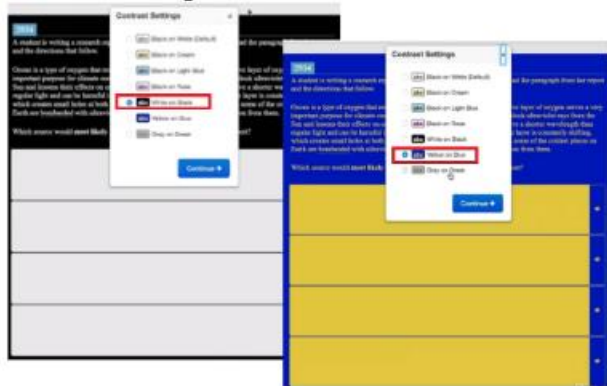
The updates are described in the table below, and please note the following updates in particular:


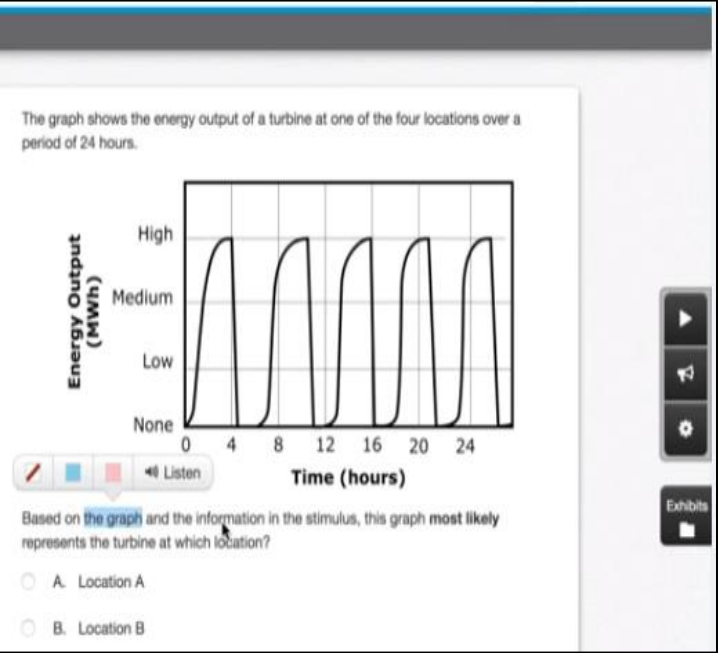

- **Expandable Panels:** The new “expandable panels” functionality allows students to expand the left or right side of the screen to make it easier to read passages and/or write responses. The functionality is available in some ELA items and some items for the next-generation Biology and Physics tests for grade 9.
- **Calculators:** Certain Mathematics and STE tests will have multiple calculators available for students on TestNav. While students can choose from multiple calculators, it is recommended that students use the calculator they typically use in the classroom.
- **Zoom:** Students will be able to zoom in to make everything on their screen larger.
- **Highlight to Hear in Text-to-Speech:** When students with the text-to-speech accommodation select text, a “Listen” button will appear alongside the highlighter options. They can click this “Listen” button to hear the selected text.


Category	Summary Description	Impacts/Screenshot (if applicable)
Hardware/Software Requirements	<p>Pearson is no longer supporting certain operating systems and browsers.</p> <p>For more information, refer to these documents:</p> <ul style="list-style-type: none"> <li>• <a href="#">2019–2021 System Requirement Changes</a></li> <li>• <a href="#">TestNav System Requirements</a></li> </ul>	Users attempting to use TestNav on lower versions/unsupported devices will receive an error message.
User Interface	Students will be able to show or hide the characters when entering their password to log into TestNav.	<p><i>Sample screenshot:</i></p> 

Category	Summary Description	Impacts/Screenshot (if applicable)
Test Content	<p>New “expandable panels” functionality allows students to expand the left or right side of the screen to make it easier to read. The functionality is available in ELA items and some high school STE items. This functionality will be especially useful for constructed response and essay questions because, when the right side of the screen is expanded, the response box increases in size, allowing students to see more of their work as they type.</p>	<p><i>Sample screenshot:</i></p> 
Test Content	<p>Students will have access to grade-appropriate calculators as follows:</p> <ul style="list-style-type: none"> <li> <b>Mathematics Session 2</b> <ul style="list-style-type: none"> <li>Grade 7: a five-function calculator and a scientific calculator</li> <li>Grades 8 and 10: a scientific calculator, a TI-84 graphing calculator, and a Desmos graphing calculator</li> </ul> </li> <li> <b>STE Tests</b> <ul style="list-style-type: none"> <li>Grade 5: a five-function calculator</li> <li>Grade 8: a scientific calculator</li> <li>Next-generation Biology for grade 9: a scientific calculator</li> <li>Next-generation Introductory Physics for grade 9: a scientific calculator, a TI-84 scientific calculator, and a Desmos scientific calculator</li> </ul> </li> </ul>	<p>All the available calculators will display in the toolbar. Students can choose the type of calculator they would like to use on each item.</p> <p>Updated calculators will be available in the practice tests.</p> <p>Notes:</p> <ul style="list-style-type: none"> <li>While students can choose from multiple calculators, it is recommended that students use the calculator they typically use in the classroom.</li> <li>Students who have special access accommodation SA4 indicated in their SR/PNP will only have access to the standard TestNav calculator for the noncalculator session of the Mathematics test (or students can use a handheld calculator).</li> </ul>

Category	Summary Description	Impacts/Screenshot (if applicable)
Test Content	<p>Students will have access to additional keys in the equation editors (EE) in grades 3–5 as follows:</p> <ul style="list-style-type: none"> <li>• In the math-only EE box, students will see an exponent key and a degree symbol key.</li> <li>• In the math-and-text EE box, students will see an exponent key, degree symbol key, and geometry tab.</li> </ul>	<p><i>Sample math-only EE box:</i></p>  <p><i>Sample math-and-text EE box:</i></p> 
User Interface	<p>Students will be able to zoom in to make everything on their screen larger.</p> <p>Students using the desktop or Chrome app will be able to use the user dropdown controls to zoom (up to 250%) during a test. This does not apply to tablets, since tablets use the “pinch-to-zoom” method instead.</p>	<p><i>Sample screenshot:</i></p> 

Category	Summary Description	Impacts/Screenshot (if applicable)
User Interface	<p>When students magnify the screen up to 200%, various controls and menus are consolidated into a single <b>More</b> (☰) menu.</p> <p>The following are included in this menu:</p> <ul style="list-style-type: none"> <li>• Review dropdown</li> <li>• Bookmark dropdown</li> <li>• Tools from the toolbar <ul style="list-style-type: none"> <li>○ Line Reader</li> <li>○ Magnifier</li> <li>○ Answer Masking</li> </ul> </li> <li>• Tools from the accommodations sidebar <ul style="list-style-type: none"> <li>○ ASL Player</li> <li>○ Exhibits</li> <li>○ Text-to-Speech</li> </ul> </li> </ul>	<p>Students will be able to access controls and menus at high zoom levels through a <b>More</b> (☰) menu.</p> <p>Sample closed More menu:</p>  <p>Sample expanded More menu:</p> 
Accessibility and Accommodations	<p>Colors used for the answer-masking tool will now correspond to the color contrast settings. (Note: Answer-masking and color contrast must be selected in students' PNP.)</p>	<p><i>Sample screenshot:</i></p> 

Category	Summary Description	Impacts/Screenshot (if applicable)
Accessibility and Accommodations	<p>When students with the text-to-speech (TTS) accommodation select text, a  Listen button will appear alongside the highlighter options. They can click this “Listen” button to hear the selected text.</p>	<p>Students with the TTS accommodation will be able to highlight and listen to selected text, instead of listening to all text on a screen in sequence.</p> <p><i>Sample screenshot:</i></p> 
Testing Ticket	<p>If a student has Text-to-Speech in his or her SR/PNP, an audio icon will appear on the student testing ticket to indicate that a headset is needed.</p>	<p><b>STUDENT TESTING TICKET</b></p> <p>Student: ICON, AUDIO Q  State ID#: 1234567899  Session: CAMILLE'S SESSION  Date of Birth: 2000-04-26  Test: Grade 03 ELA </p> <p>You are authorized to take the electronic version of this test. You will be asked to provide the following information in order to acc test on the device. Please wait for the instructions from the Test Administrator before proceeding.</p> <p>Select <b>Customer Extensions</b> in the application.</p> <p><b>Username:</b> 4583238852    <b>Password:</b> b9f836</p> <p>(OPTIONAL) Local Testing Device ID: _____</p>

Category	Summary Description	Impacts/Screenshot (if applicable)
Testing Ticket	If a student has Human Read Aloud in his or her SR/PNP, an icon will appear on the student testing ticket to indicate that a human reader is needed.	<p><b>STUDENT TESTING TICKET</b></p> <p> <b>Student:</b> STUDENT, NEW  <b>Student ID:</b> 3833944344  <b>Session:</b> GR 3 ELA READ ALOUD  <b>Date of Birth:</b> 2007-01-23  <b>Test:</b> Grade 3 ELA </p>  <p>Please raise your hand if any of the information above is incorrect. Your test administrator will give you instructions before beginning the test. You will need to enter in the username and password below.</p> <p>Select <b>Massachusetts</b> in the application.</p> <p><b>Username:</b> 7685120498    <b>Password:</b> 81c6b9</p> <p>(Optional) School testing device ID: Session 1 _____ Session 2 _____</p>