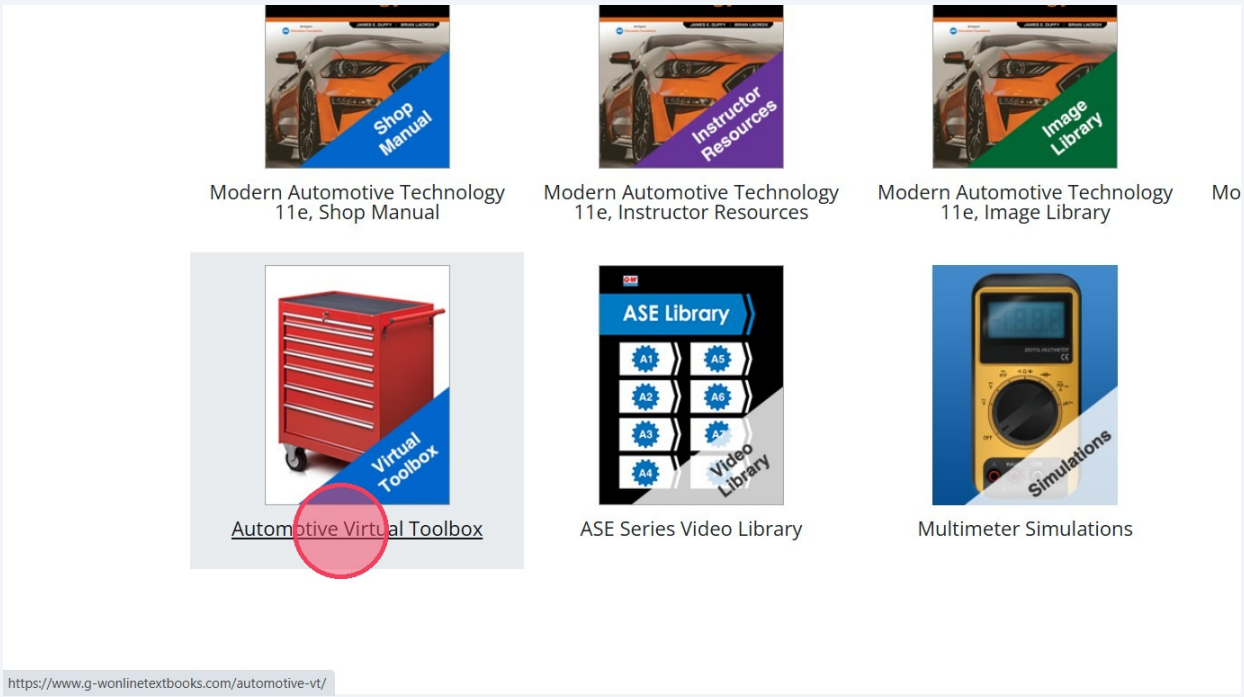
Navigating the Automotive Virtual Toolbox, ASE Video Library, and Multimeter Simulations on G-W Online

Navigating the Automotive Toolbox

1 Let's begin by selecting the Automotive Virtual Toolbox.



2 This interactive activity contains Toolbox E-flash Cards to help your students identify tools like a pro. Select the link to learn more.

Skilled technicians use a lot of tools, and learning to identify all of these tools can be challenging. By practicing with this virtual toolbox—which contains Toolbox E-flash Cards—you'll learn how to identify tools like a pro.

Toolbox E-Flash Cards

3 Select a category from the flash card decks provided.

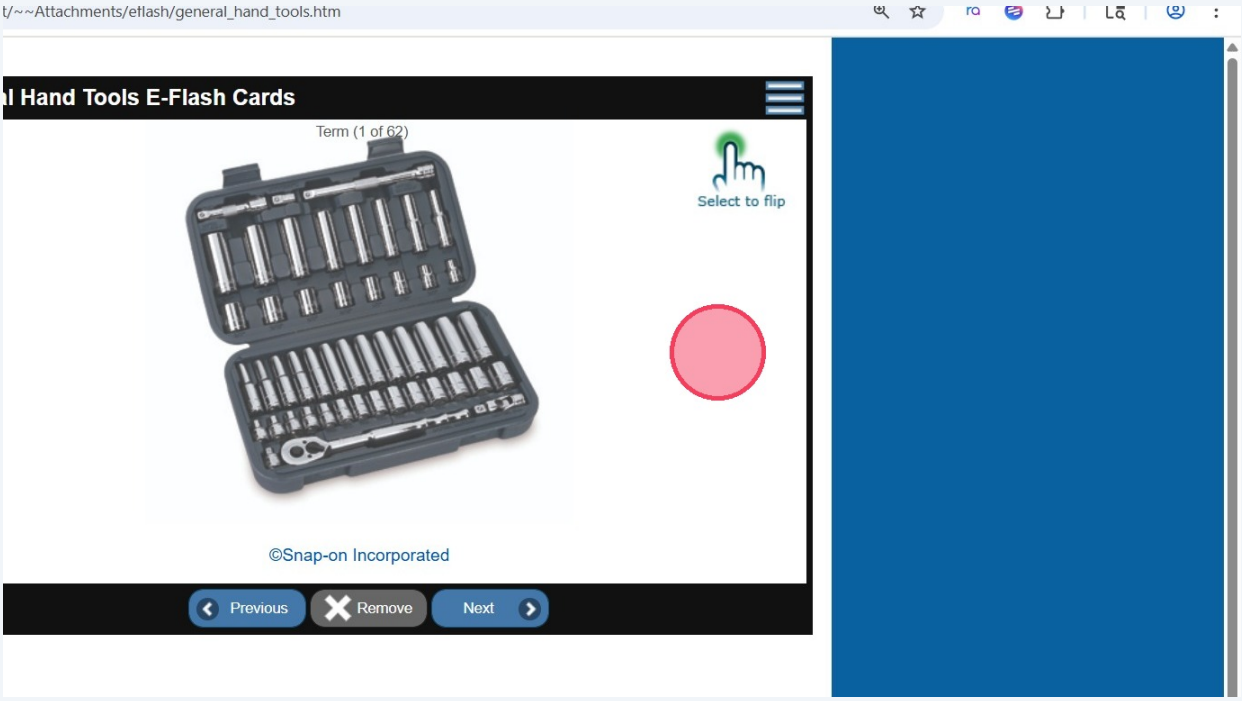
Toolbox E-Flash Cards

Toolbox E-flash cards make learning tool names easy! Pick a category from the list below and use the E-flash cards to become an expert. Each E-flash card includes an image of a tool on one side and the tool's name on the other. Click on the E-flash card to "flip it over" and see the other side. Some E-flash cards also include information about a tool, such as a short description or examples of what the tool is used for. Keep practicing with the E-flash cards in a category until you know all the tool names by heart; then move on to the next category!

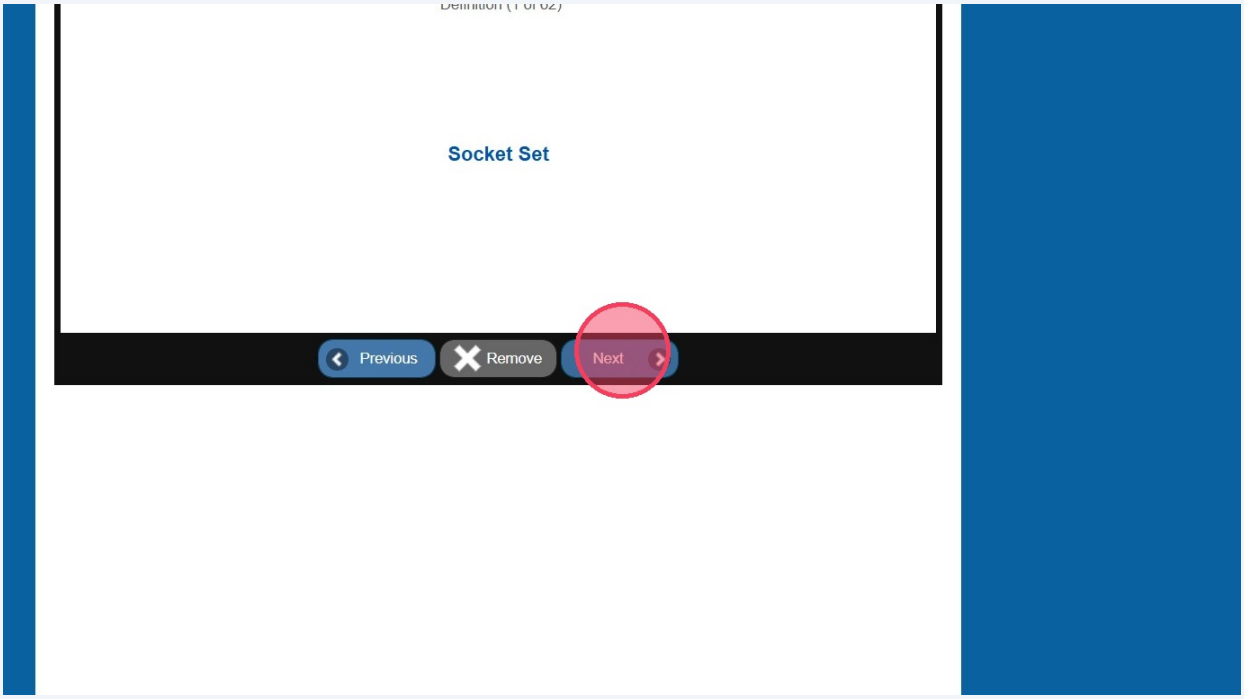
- General Hand Tools
- General Shop Equipment
- ADAS Tools
- Auto Engine Repair
- Auto Suspension and Steering
- Auto Engine Performance
- Auto Electricity and Electronics
- Automatic Transmissions and Transaxles
- Manual Drive Trains and Axles
- Auto Brakes

General Hand Tools Flashcards

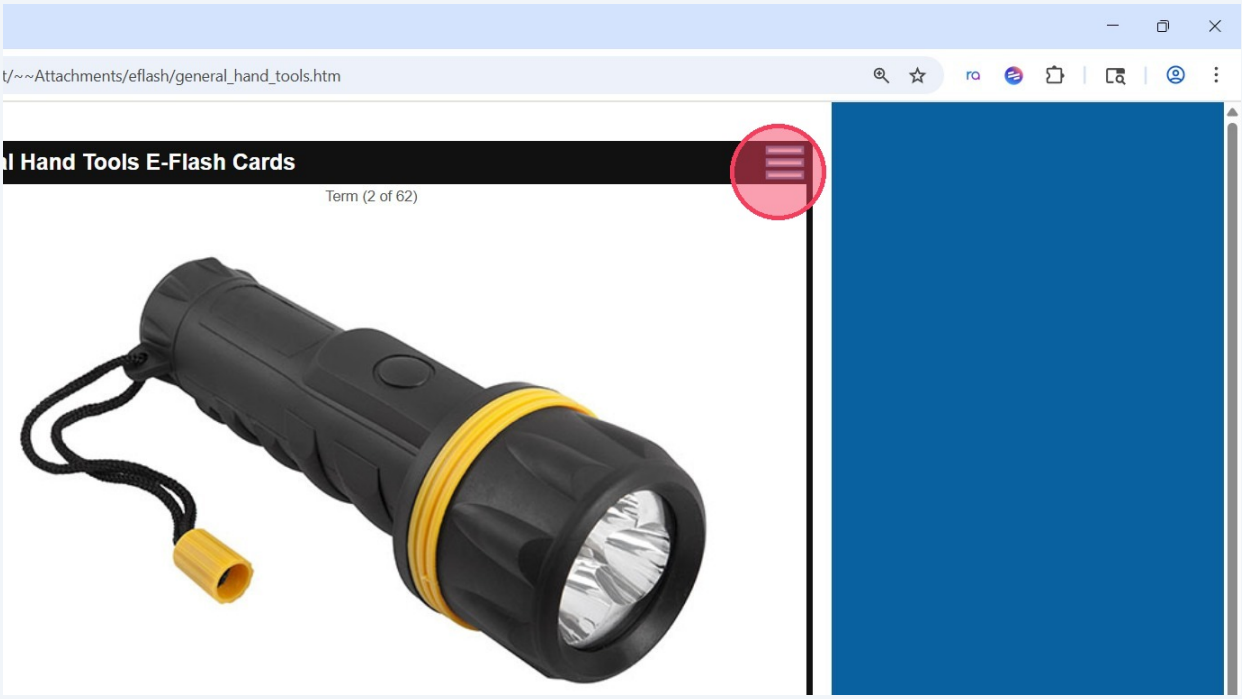
4 An image of a tool will display and the user may click on the e-card to flip the card over to see if their guess was correct.



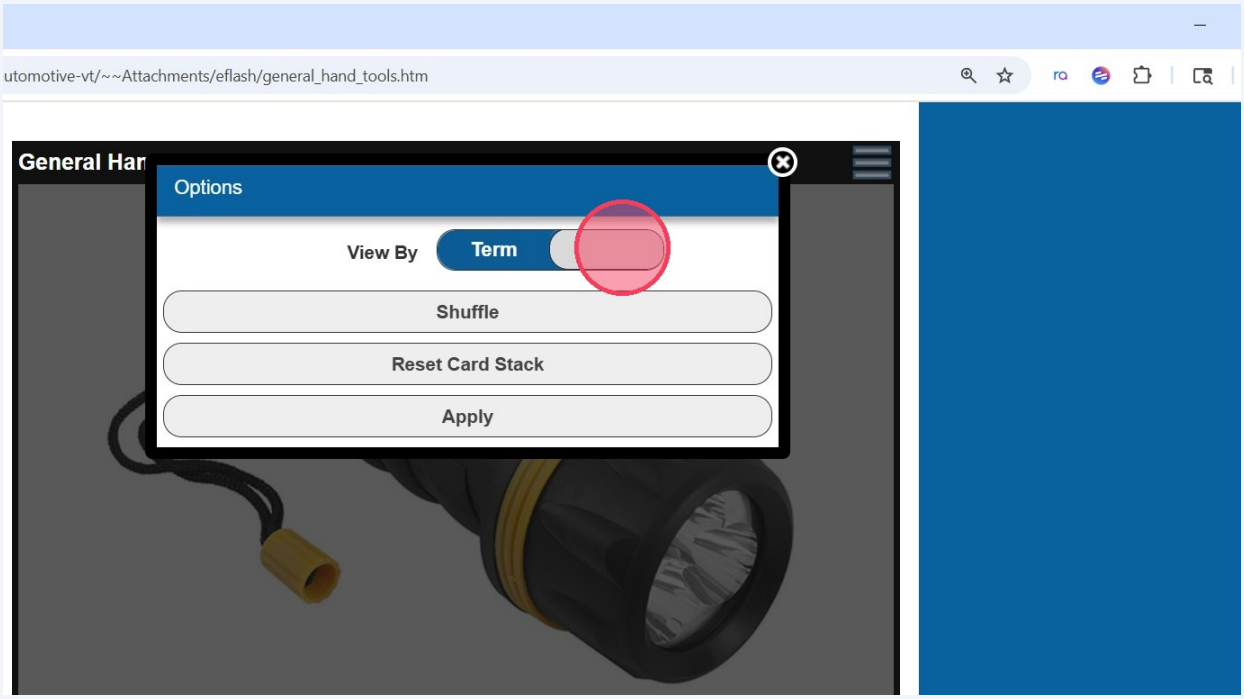
5 Select Next to go to the next tool.



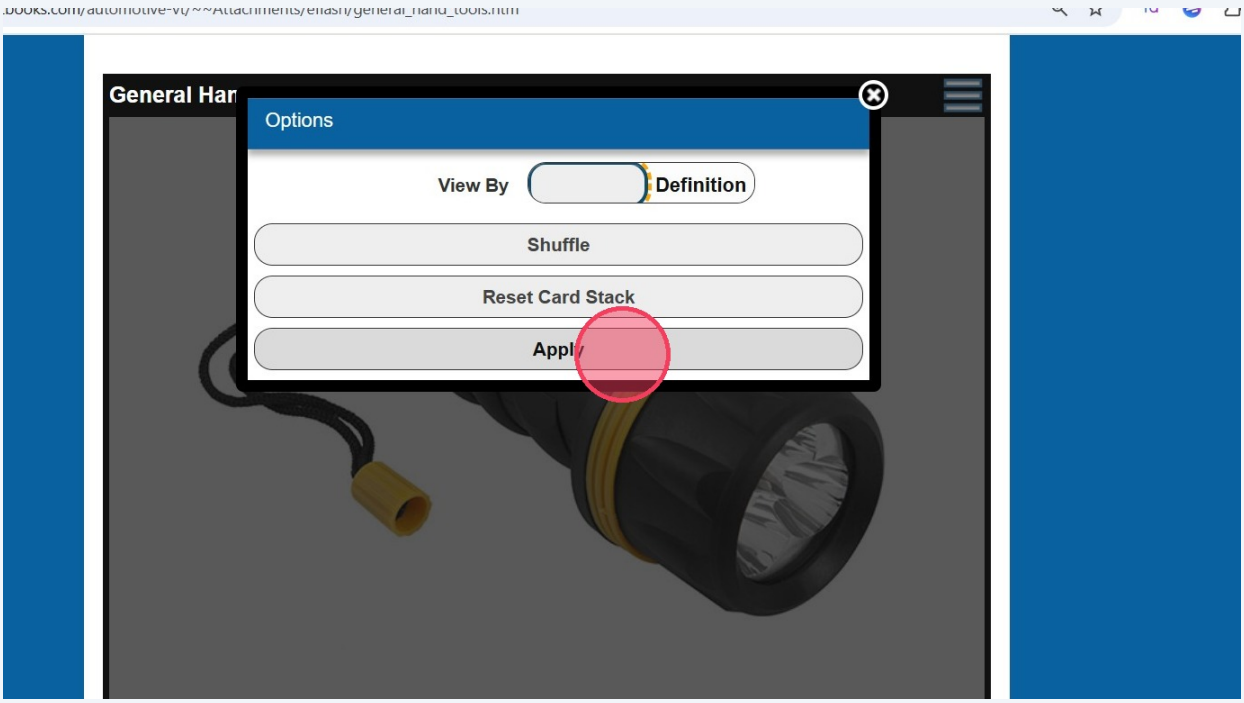
6 To see more options, select the Menu in the upper right-hand corner



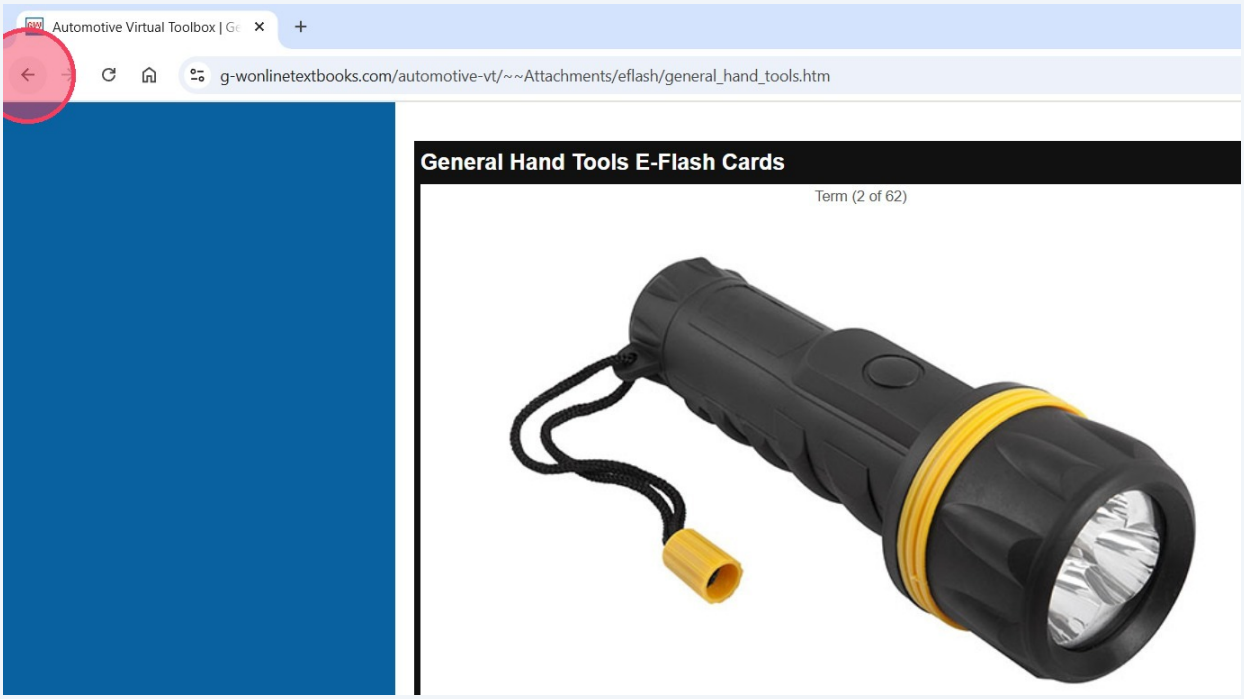
7 and change the "View By" Term or Definition



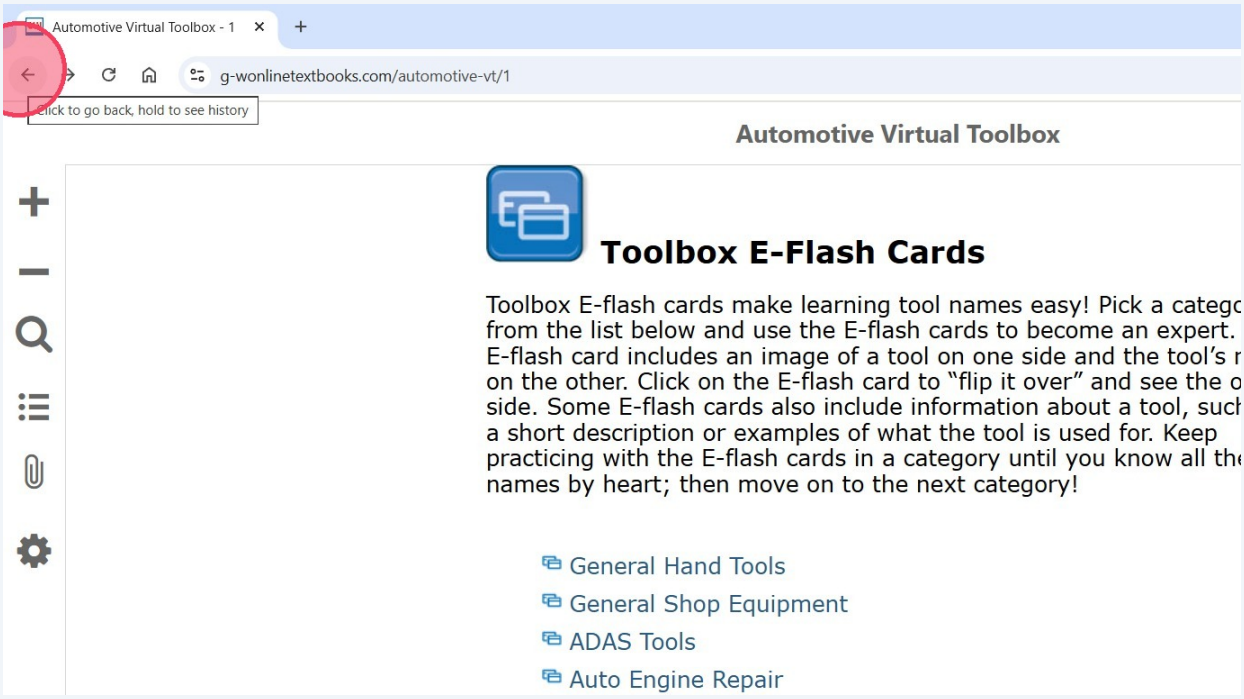
8 And Apply the changes when ready.



9 Select the Back button to return to the previous screen

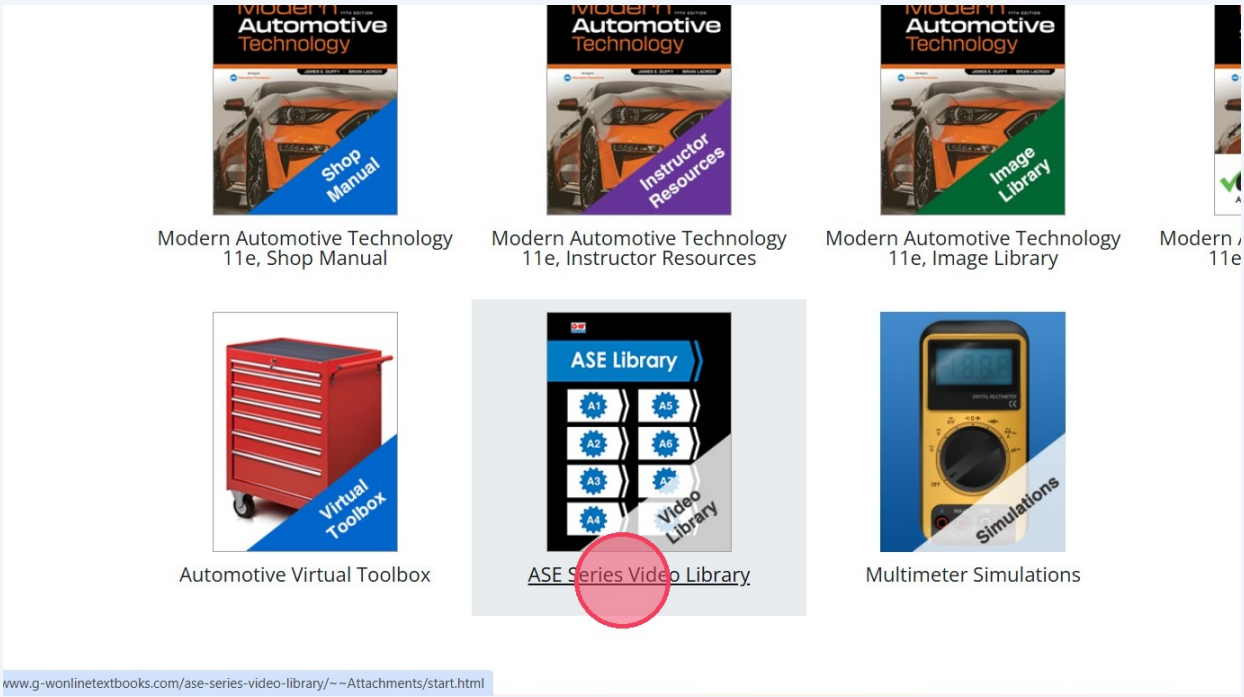


10 and select a new category of cards or go back until you reach your Bookshelf of Digital Resources.

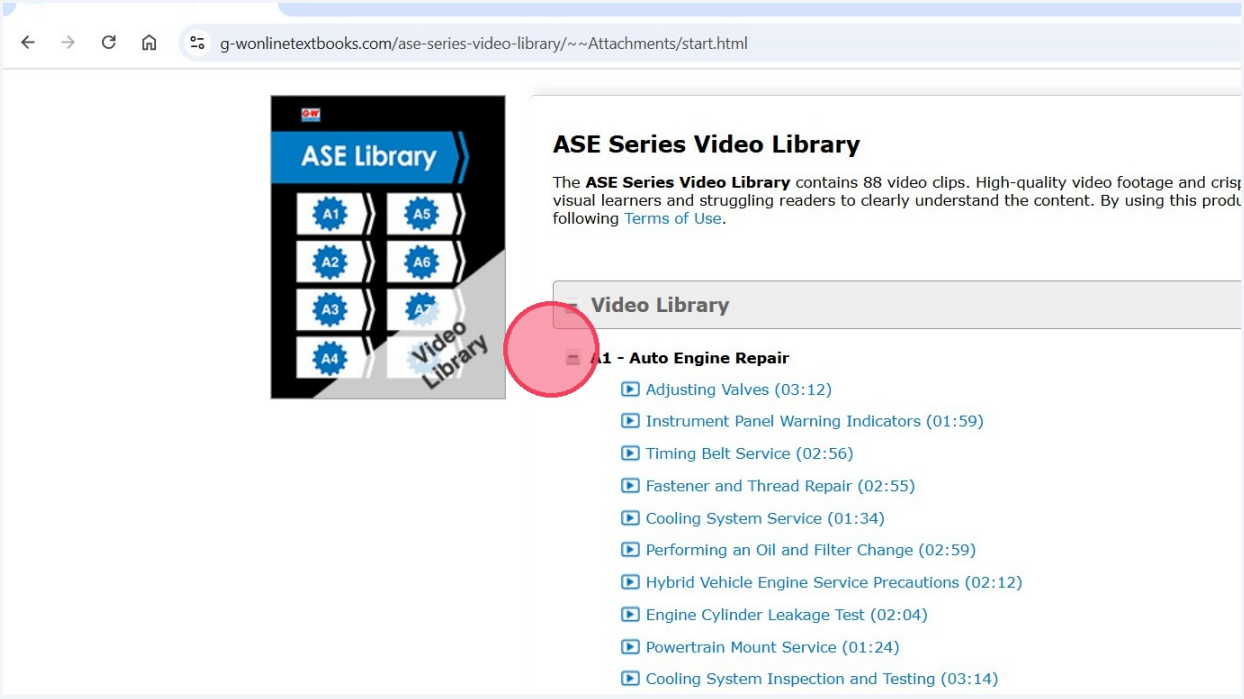


Navigating the ASE Video Library

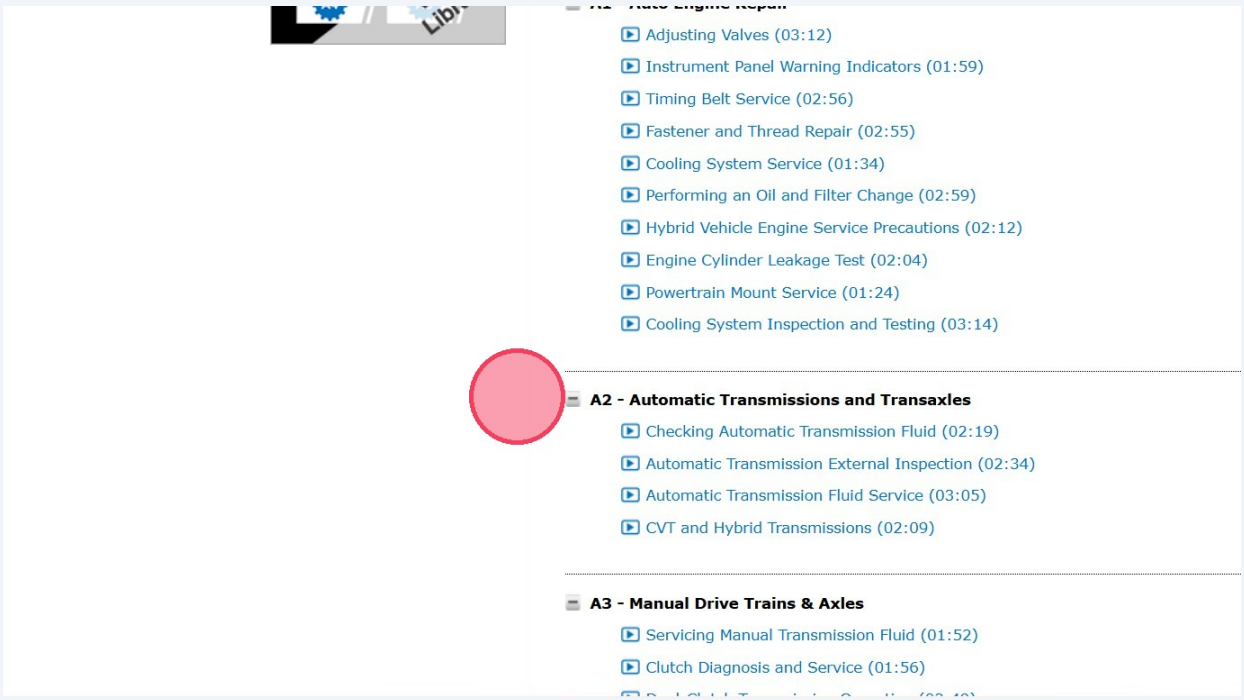
11 Let's take a look at the ASE Video Library



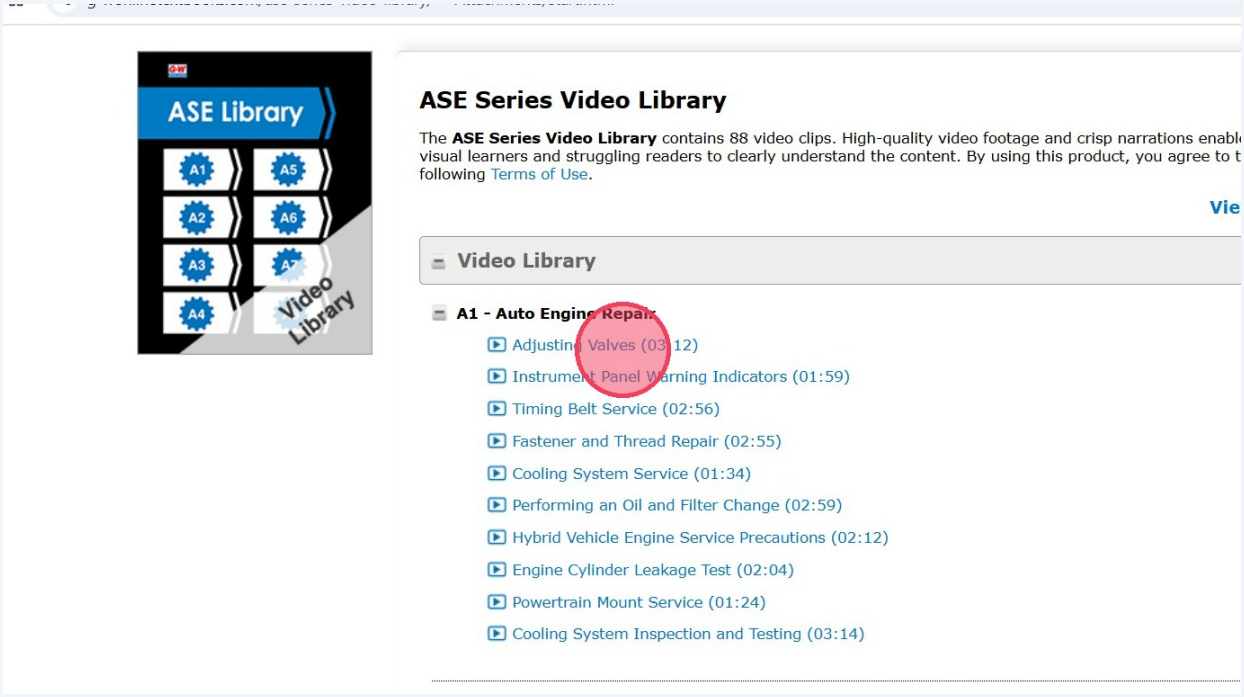
12 The ASE Series Video Library contains 88 video clips divided into different sections from A1 - A8 of the ASE Series as well as a section on Safety.



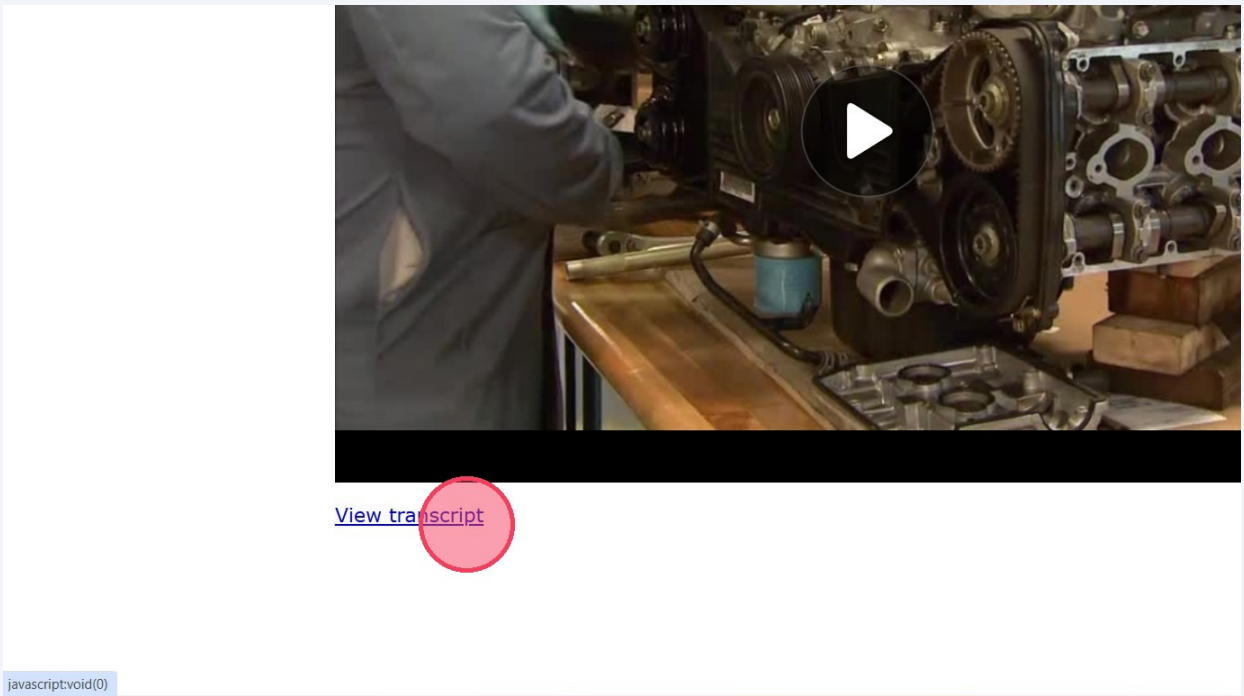
13 Instructors may use these videos to help struggling readers clearly understand the content.



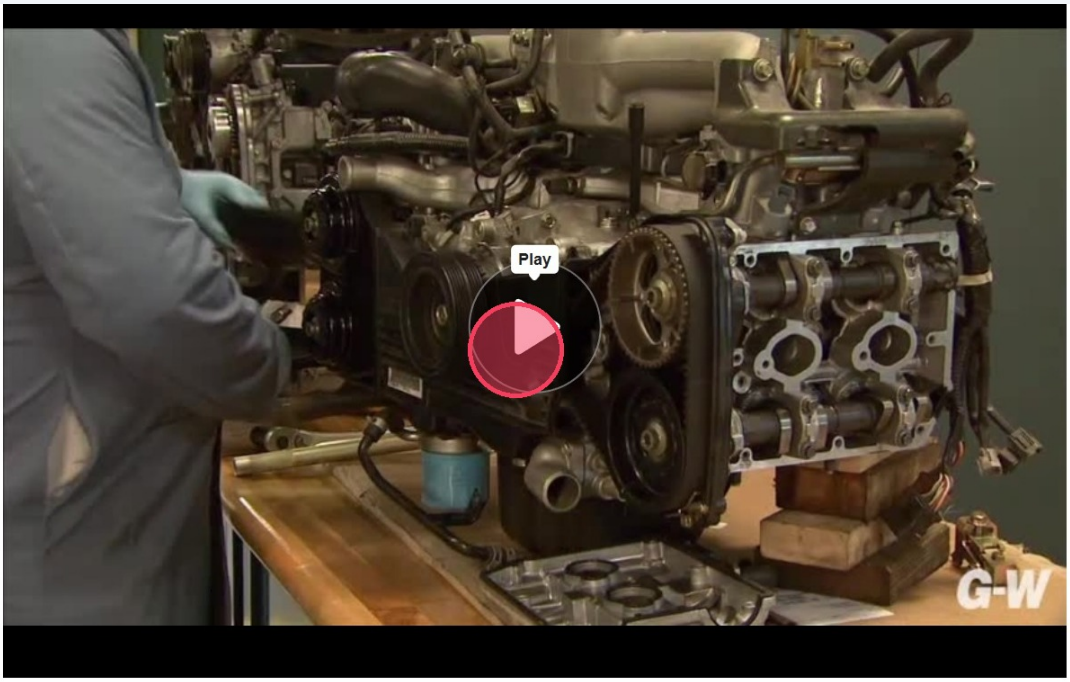
14 Select a link to view the video.



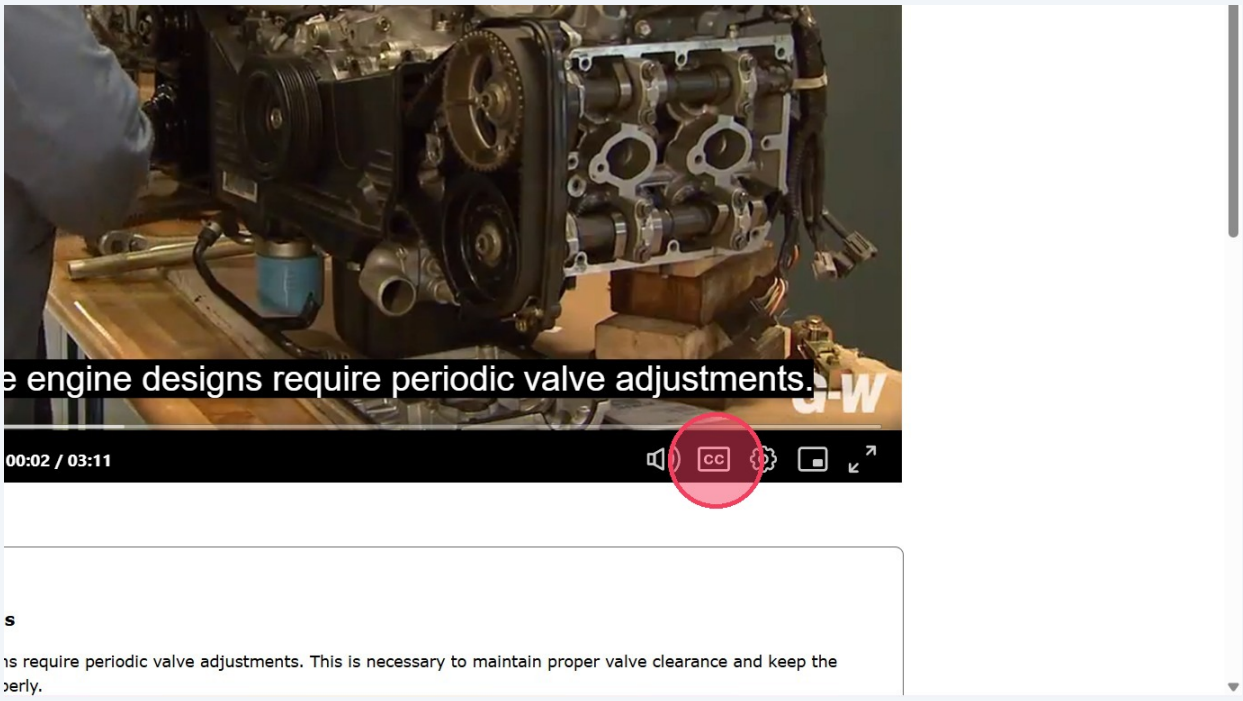
15 If you would like to view the transcript, please select the View transcript link beneath the video player.



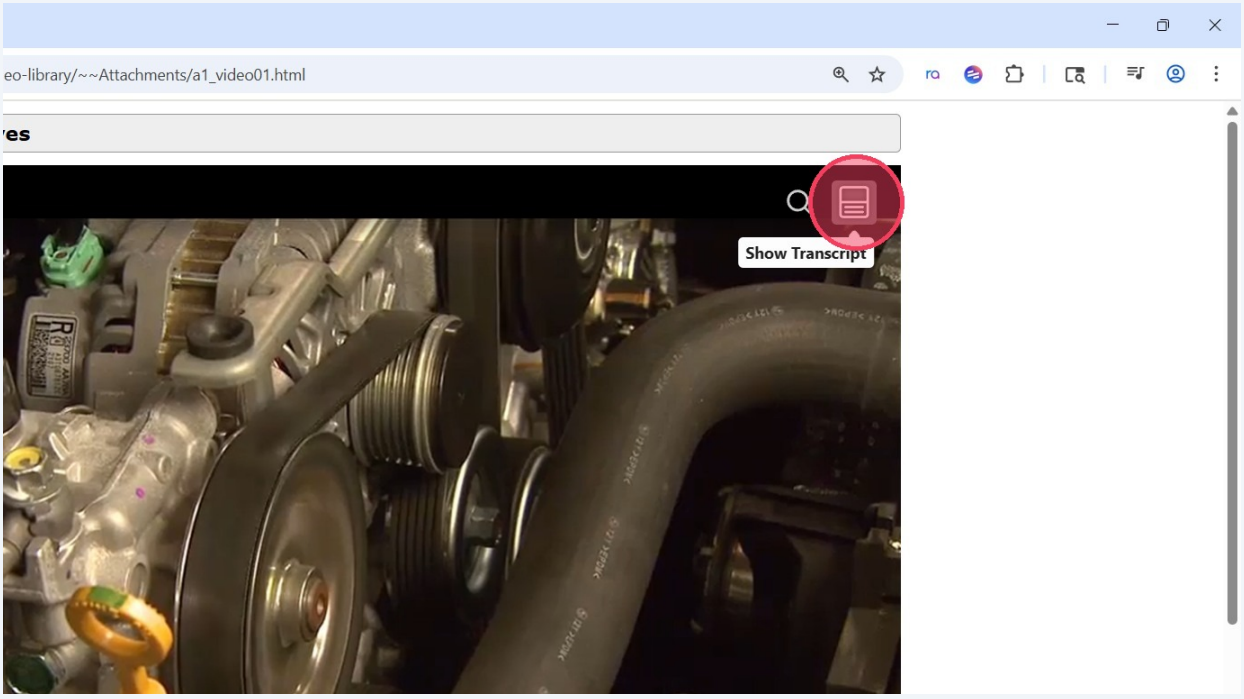
16 Select the Play button to view this video.



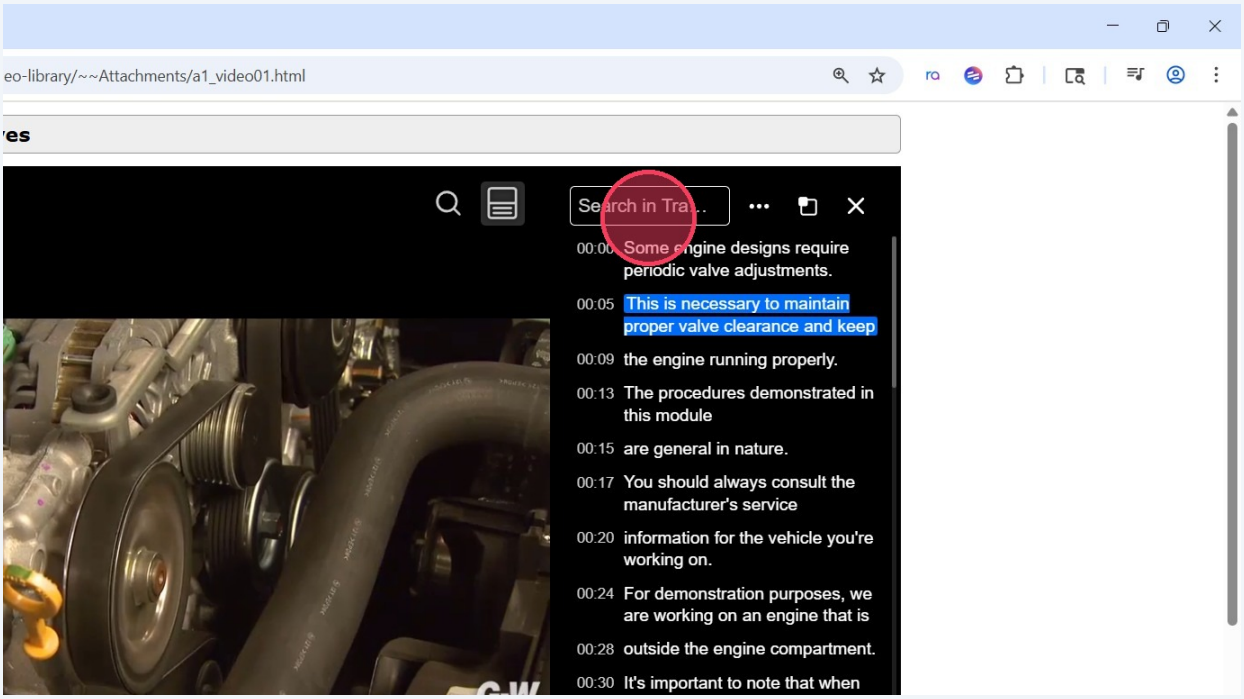
17 You may toggle the closed captioning feature on or off.



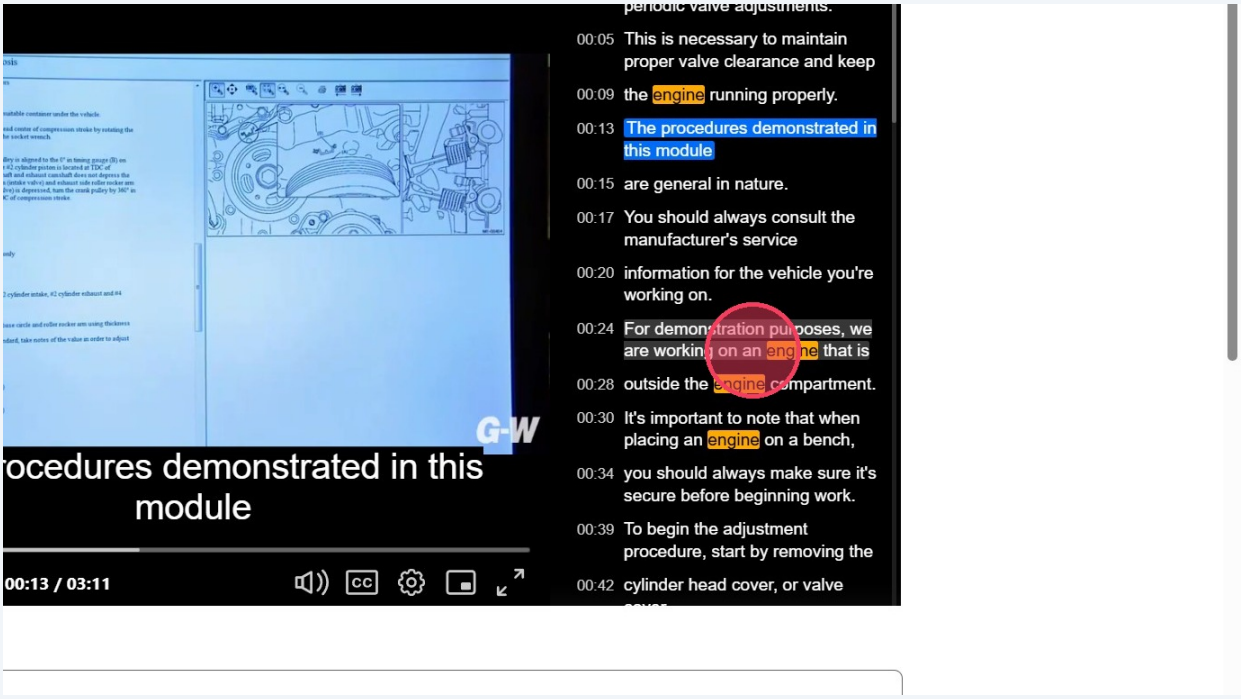
18 Another Accessibility feature offered in the video player is a searchable transcript.



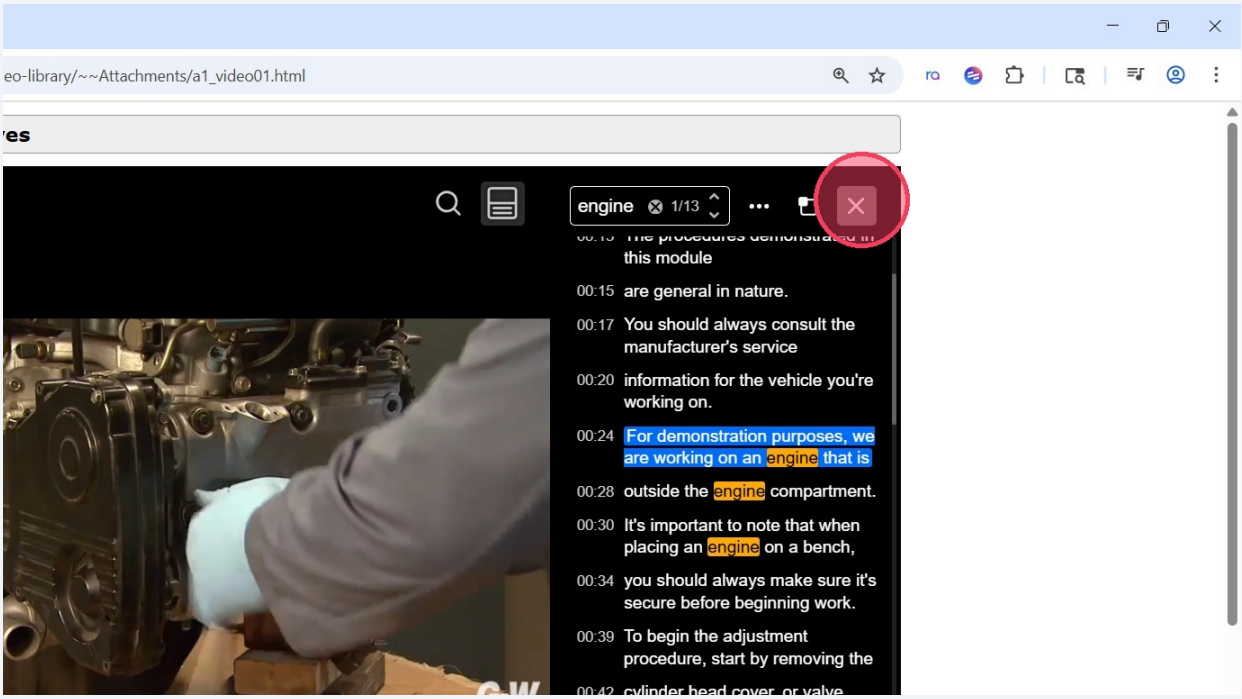
19 Some users may want to review a specific section of the video which they may do by conducting a keyword search in the transcript.



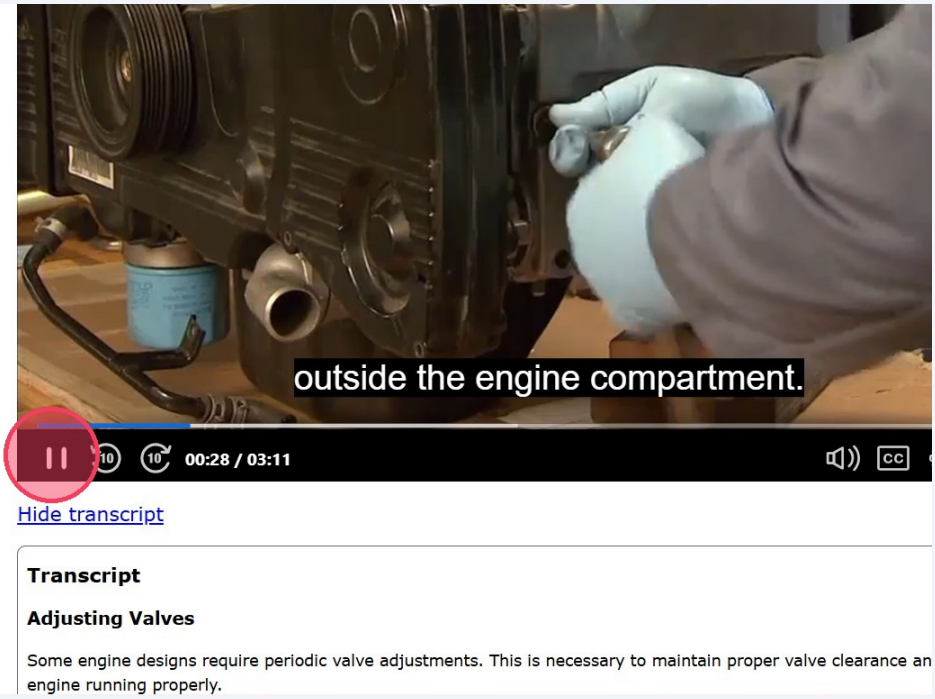
20 Once the search results appear, they may select the specific timestamp for that section of the video to which they'd like to skip.



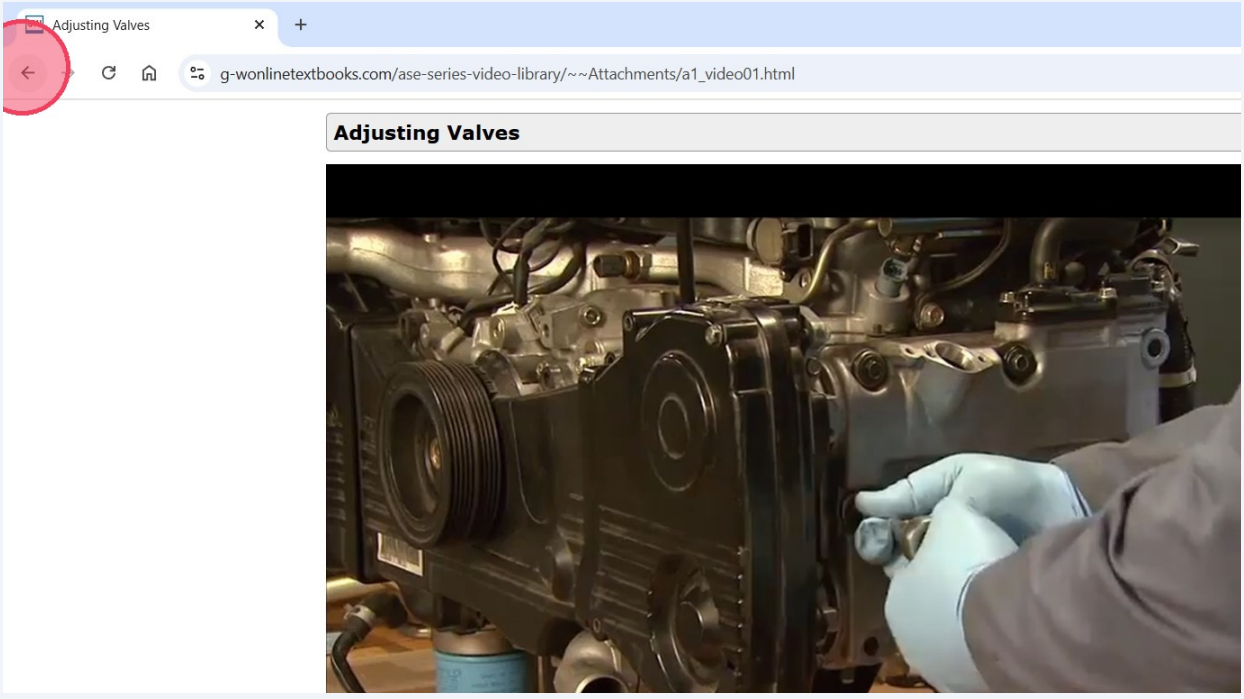
21 Select the X to close this feature when you are ready to proceed with the video.



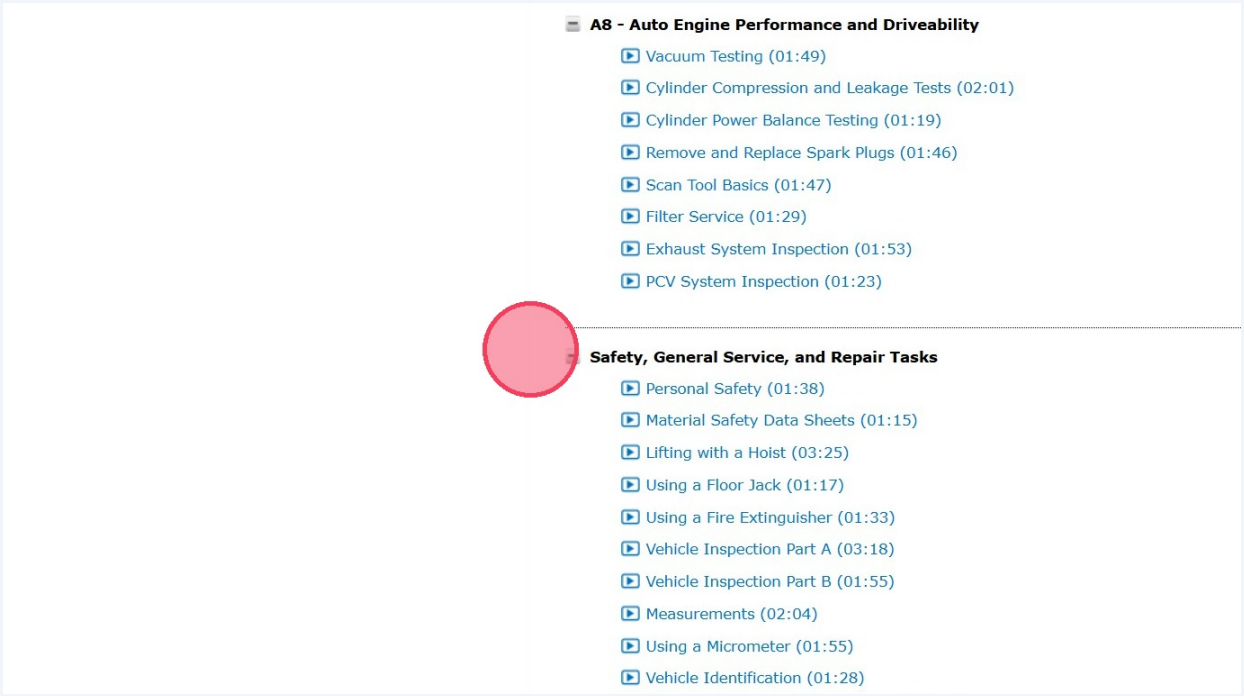
22 Other features including Pause, Volume, skipping ahead by 10 seconds or back are also available in this video player.



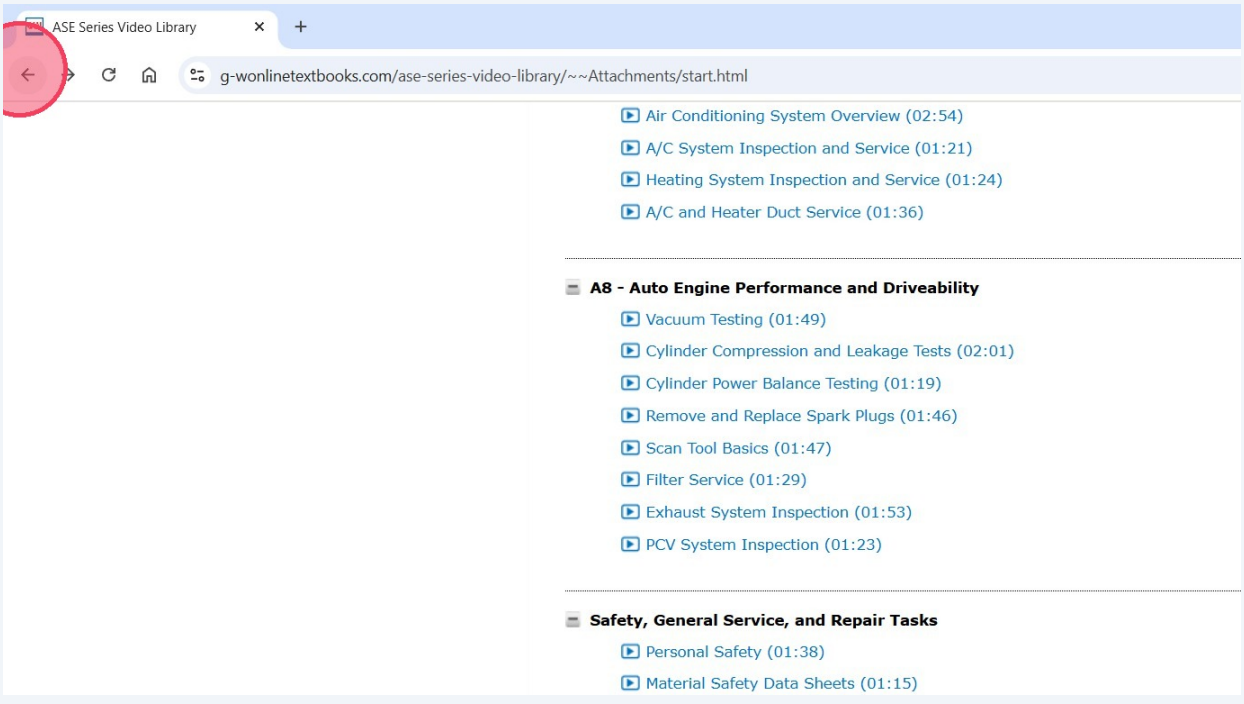
23 Select the Back button to view the rest of the videos available in this title.



24 A section on Safety, General Service, and Repair Tasks may be found towards the bottom of the video library.

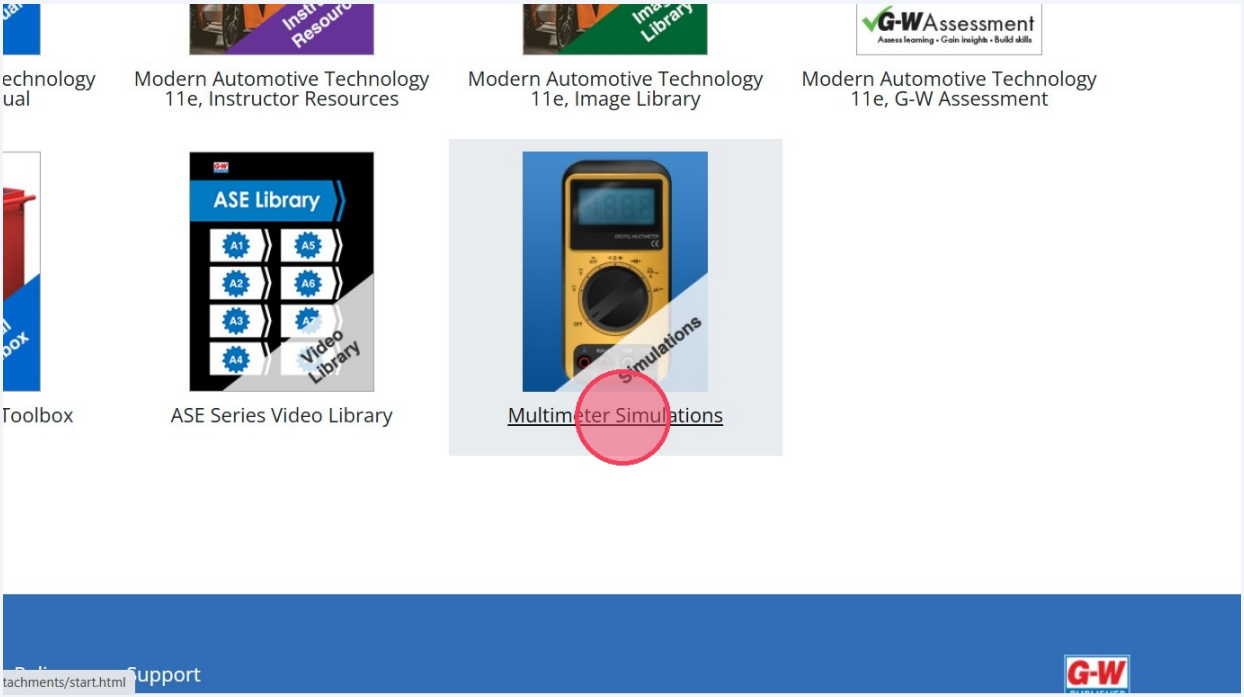


25 Select the Back arrow to return to the Bookshelf of Digital Resources.

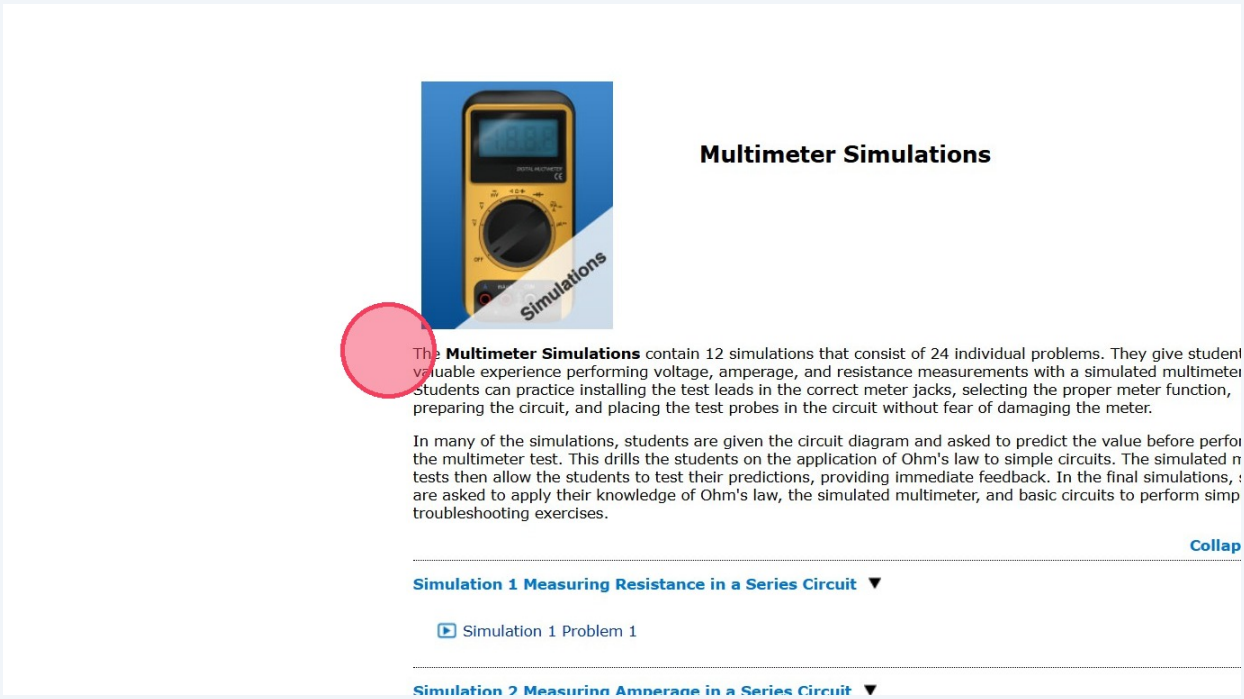


Navigating the Multimeter Simulations

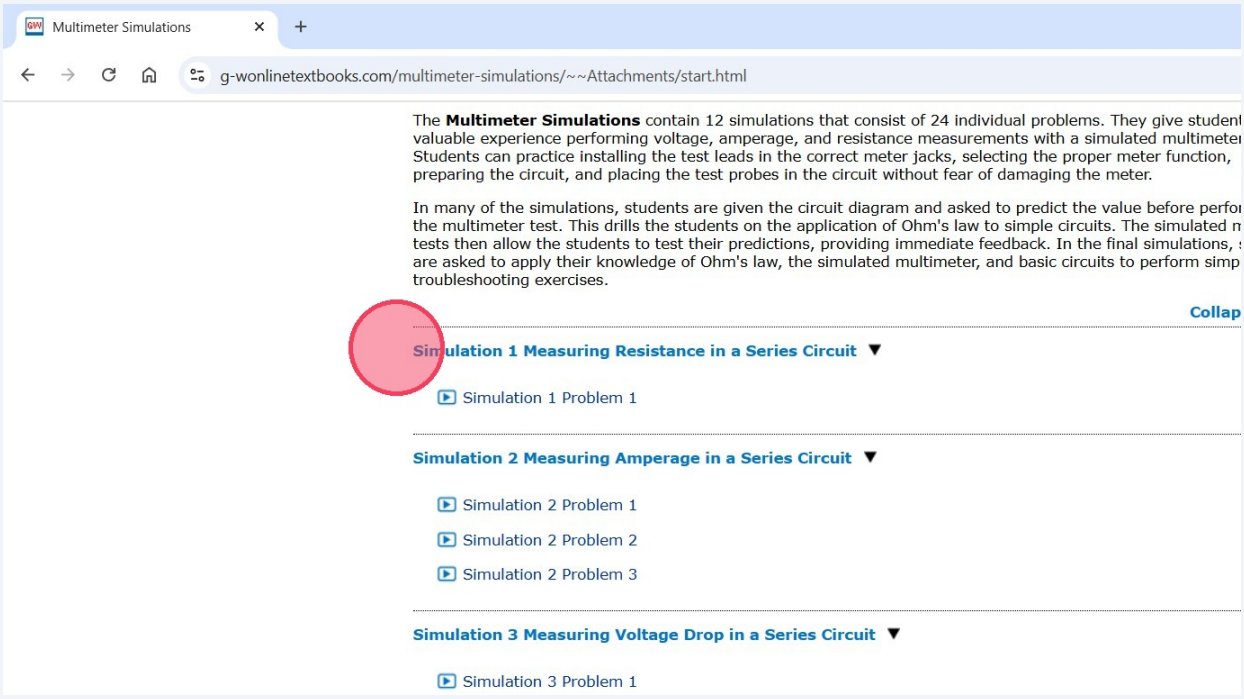
26 Let's explore the **Multimeter Simulations** in Modern Automotive Technology.



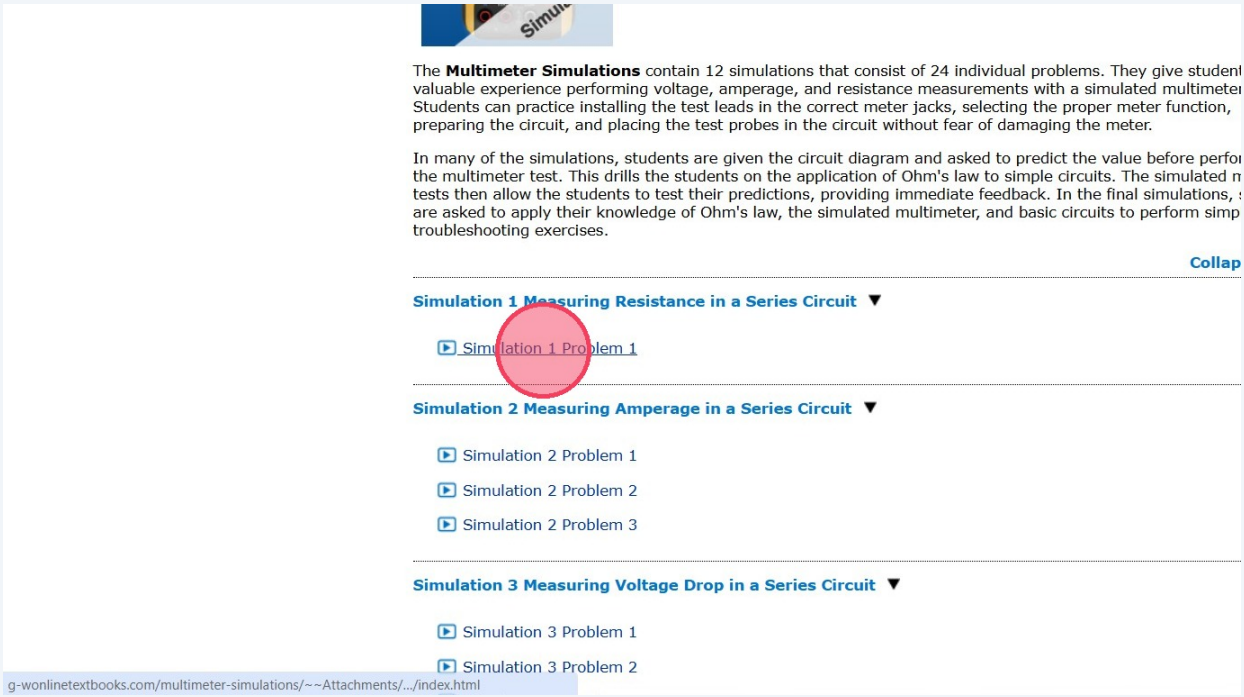
27 The Multimeter Simulations contain 12 simulations that consist of 24 individual problems.



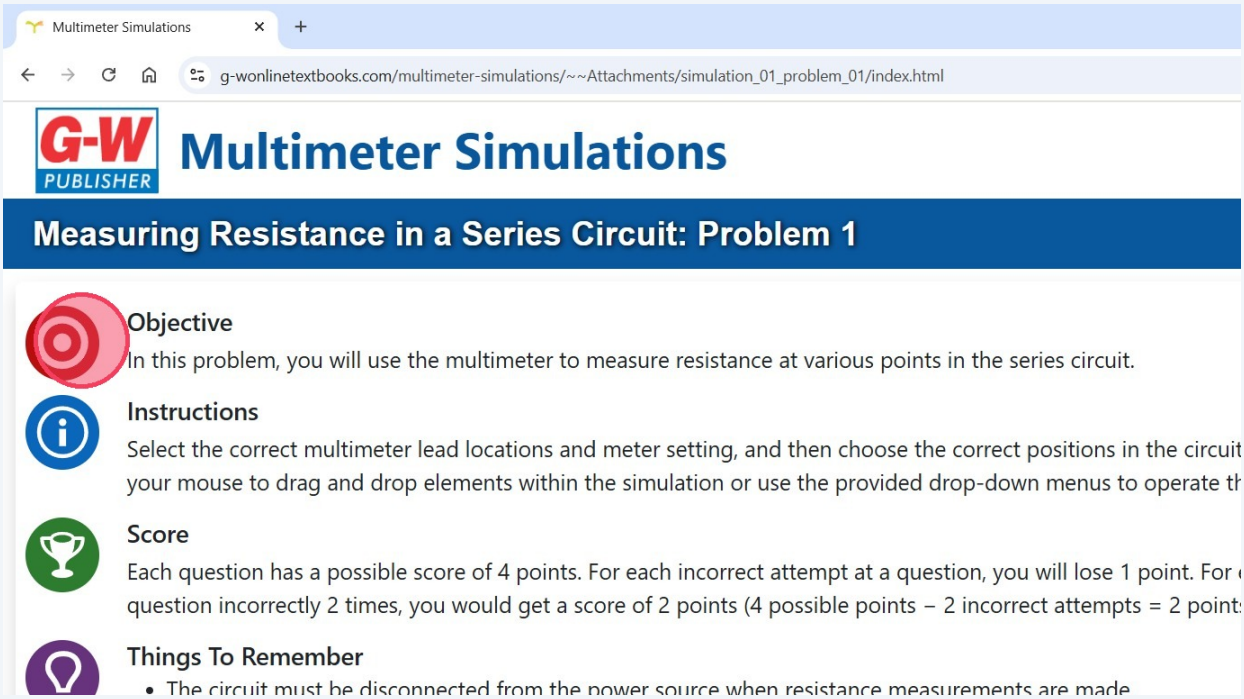
28 Looking at the first simulation, Measuring Resistance in a Series Circuit,



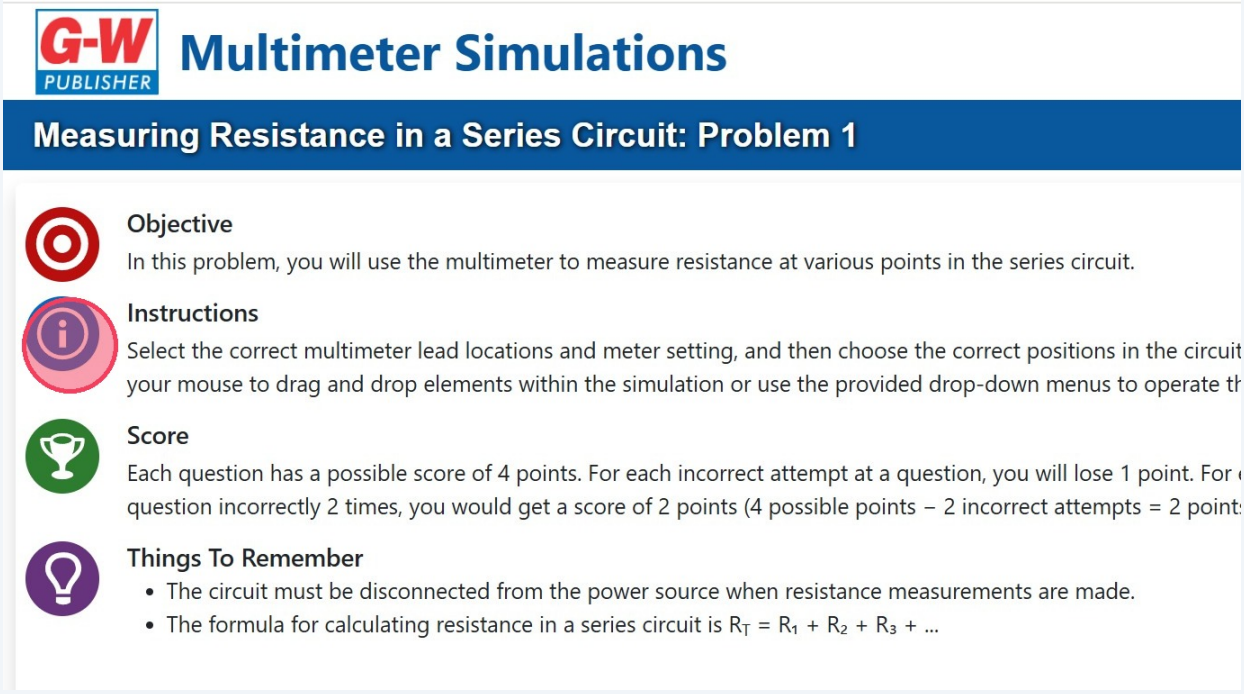
29 select **Problem 1**.



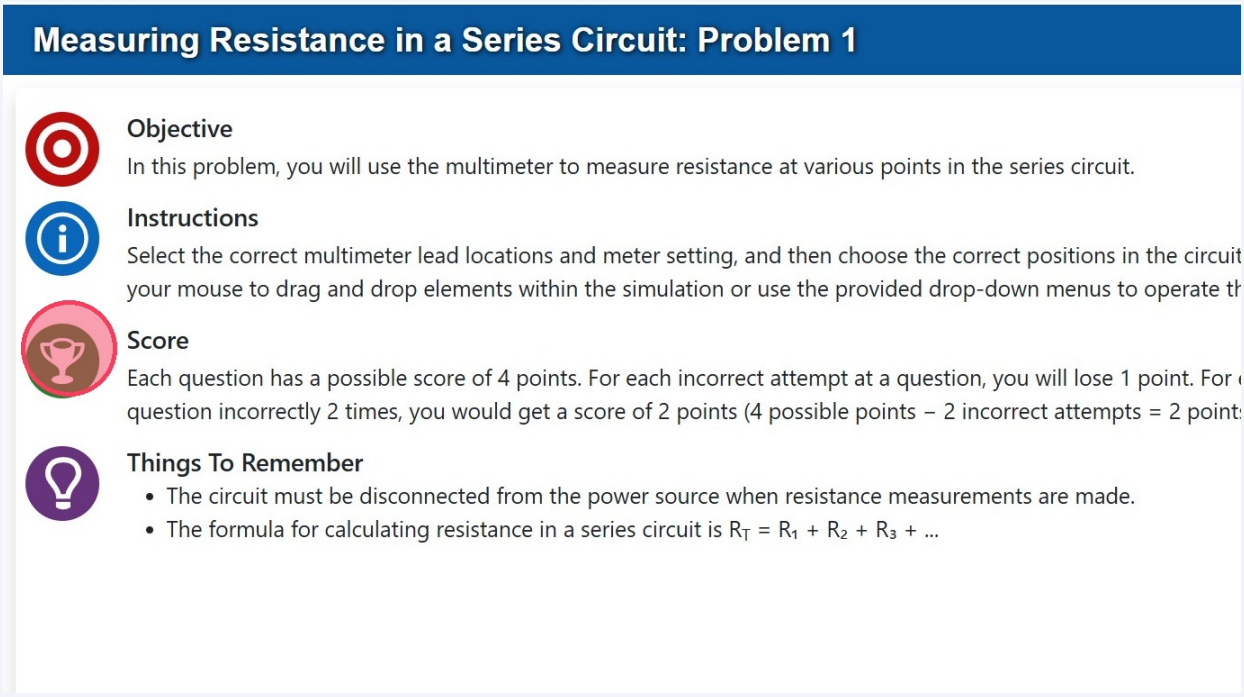
30 In each simulation, students will be given the **Objective**



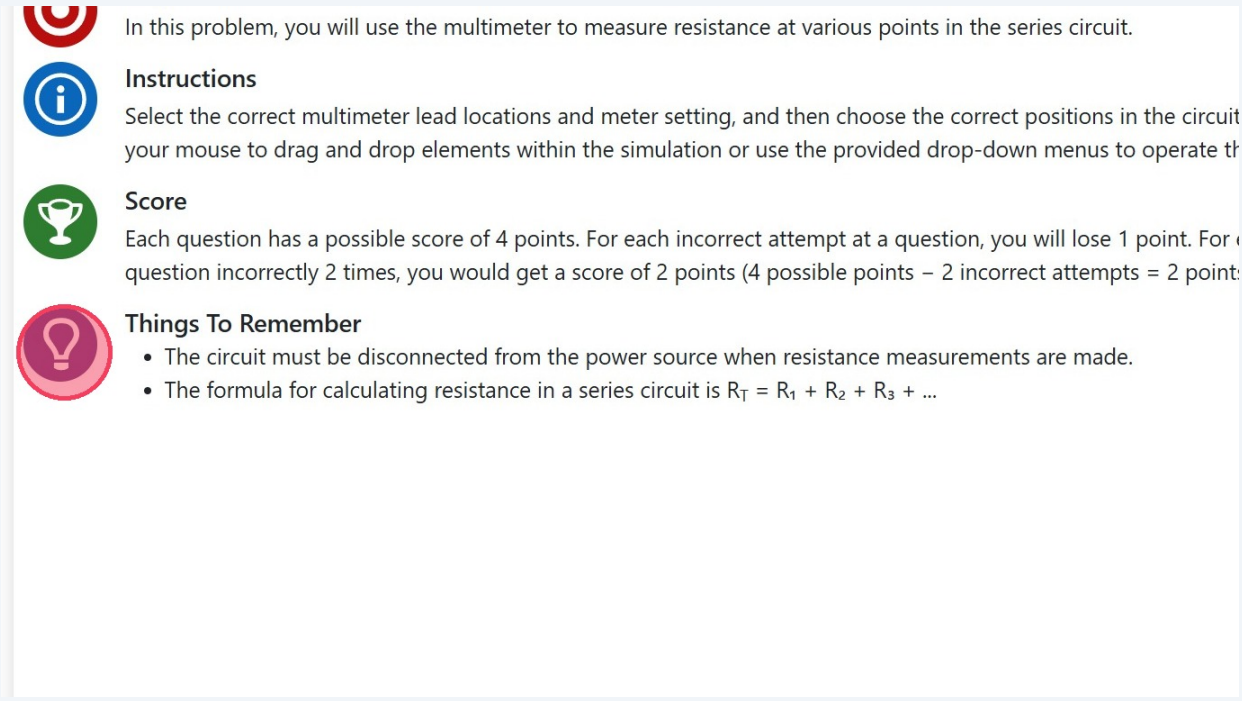
31 a set of **Instructions**,



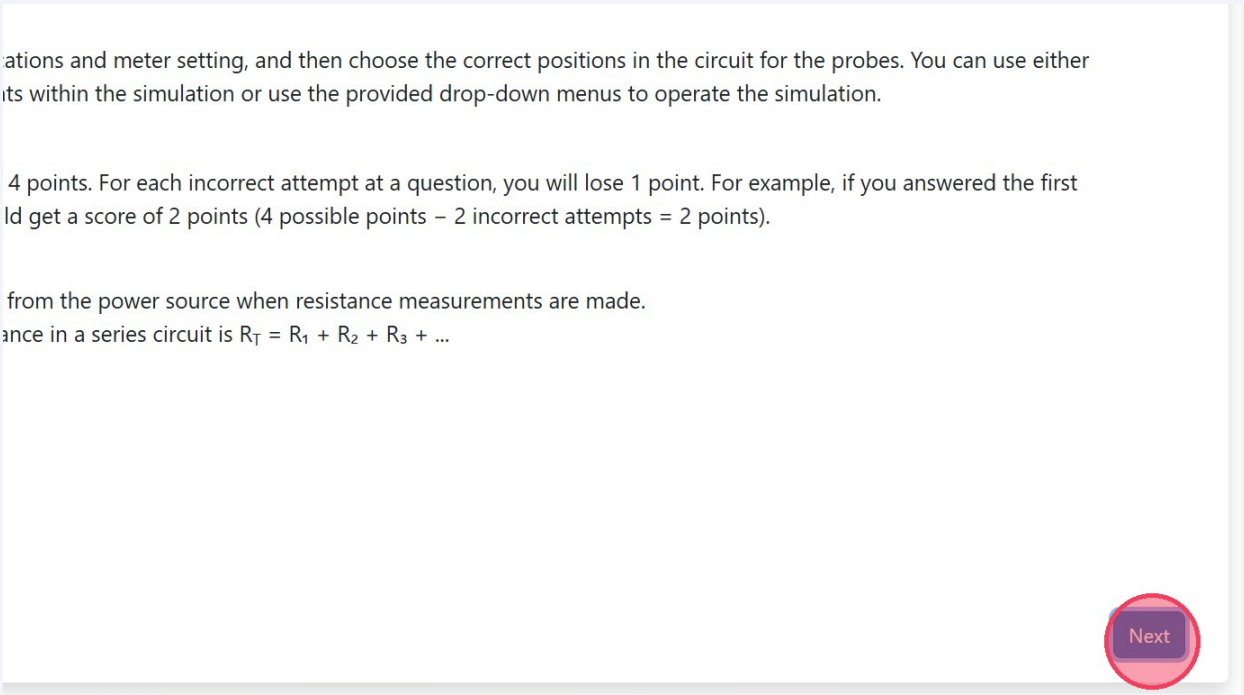
32 an explanation of how the simulation will be scored,



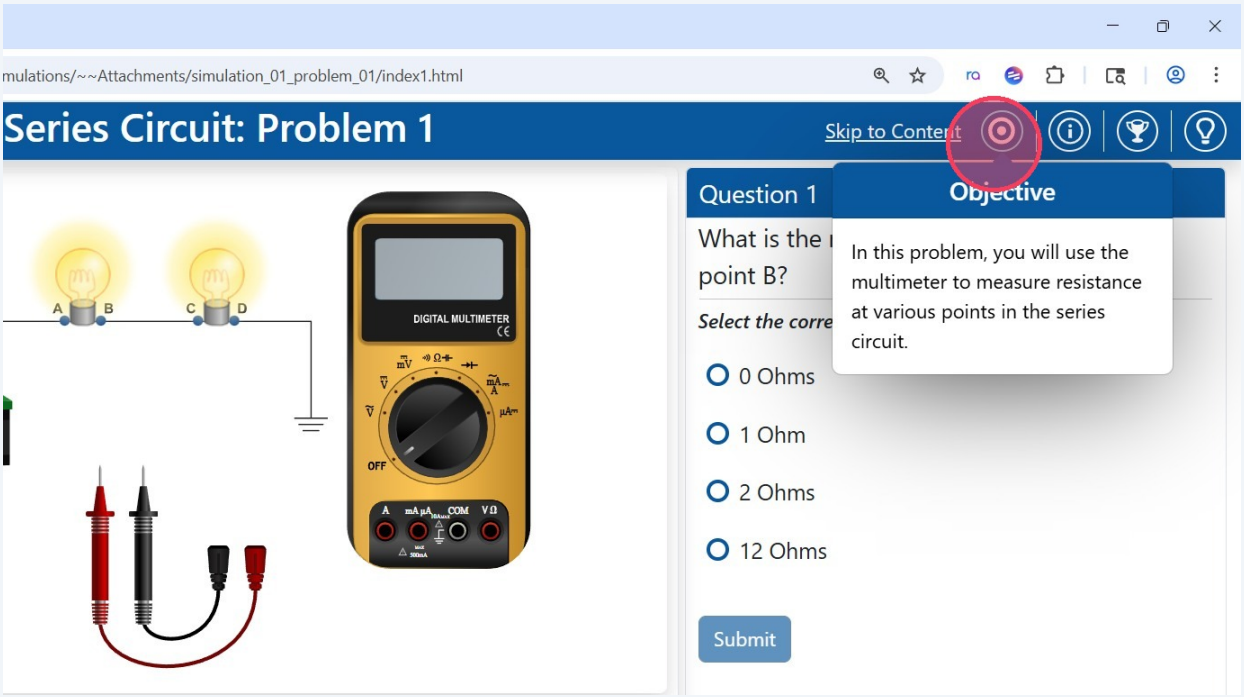
33 and **Things to Remember** for this particular problem.



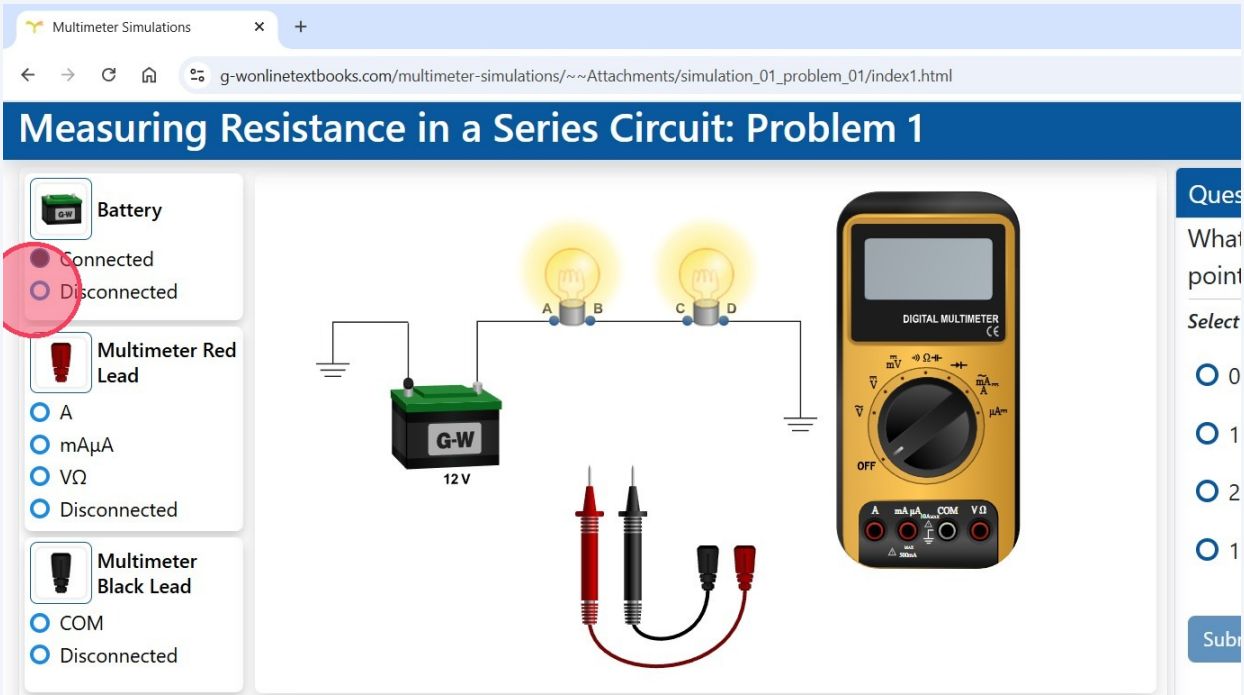
34 After reading the instructions, select the "**Next**" button on the bottom right of the screen.



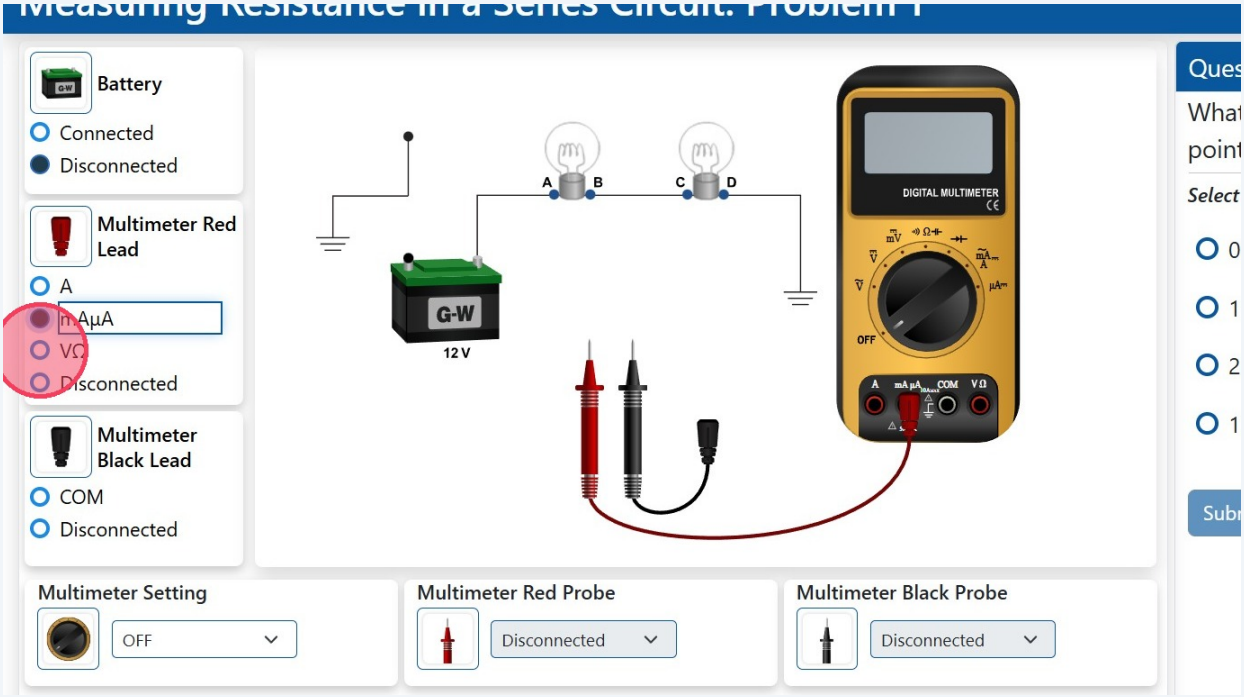
35 Students can review the Objective and Instructions from this screen if they need a reminder.



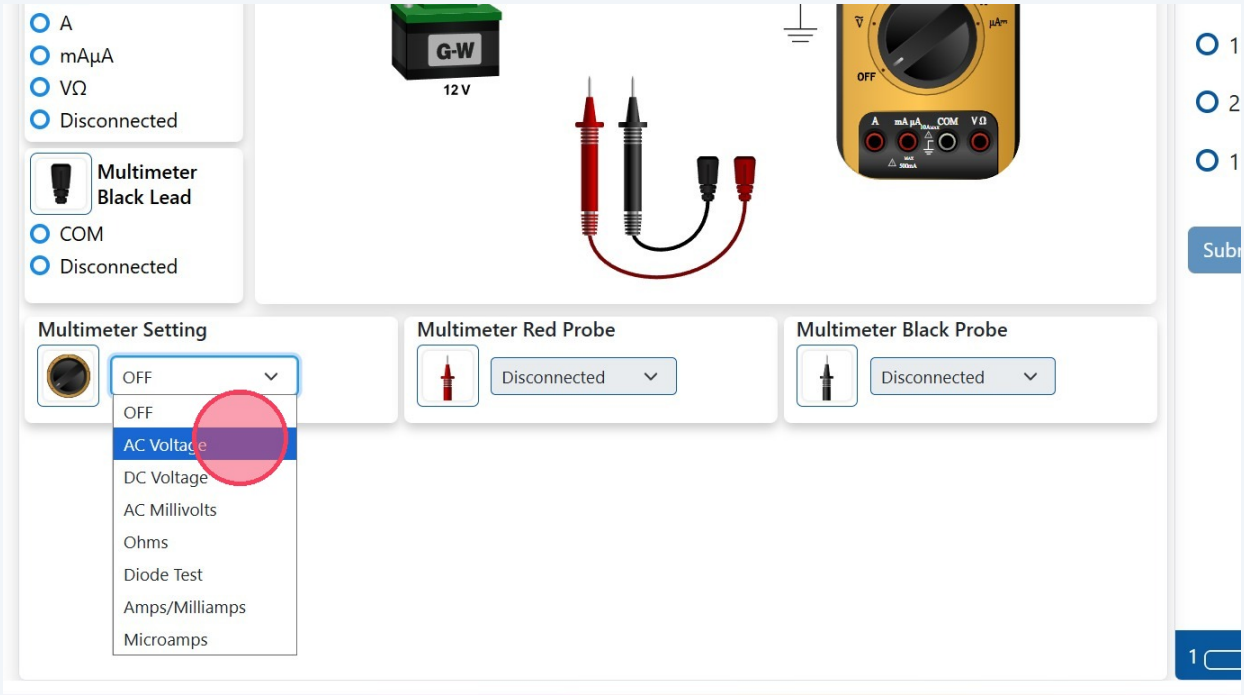
36 These simulations give students valuable experience performing voltage, amperage, and resistance measurements with a simulated multimeter.



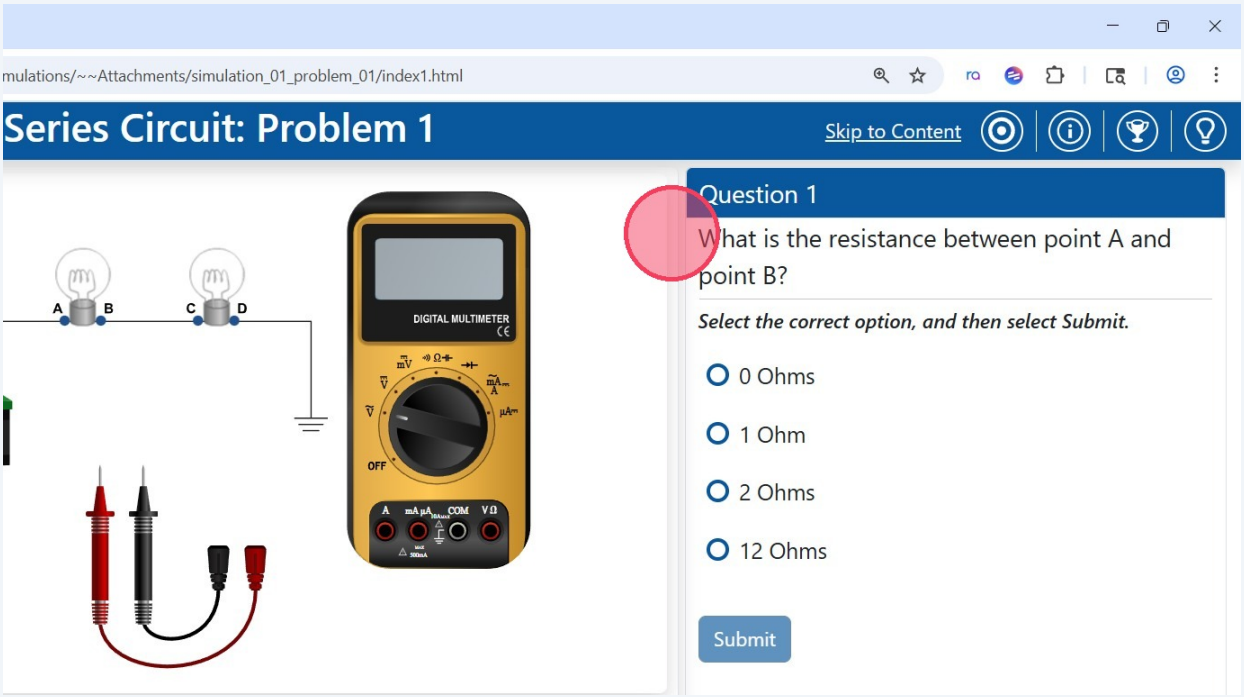
37 In many simulations, students are given the circuit diagram and asked to predict the value before performing the multimeter test.



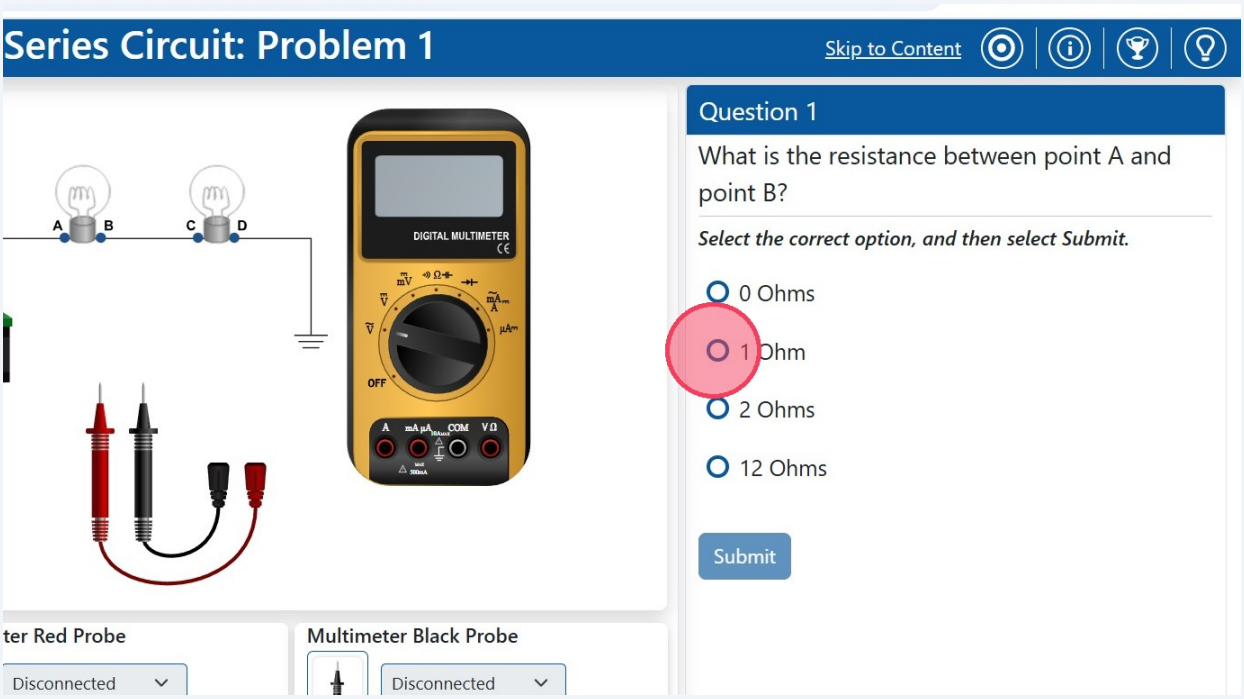
38 The simulated meter tests allow students to test their predictions, providing immediate feedback.



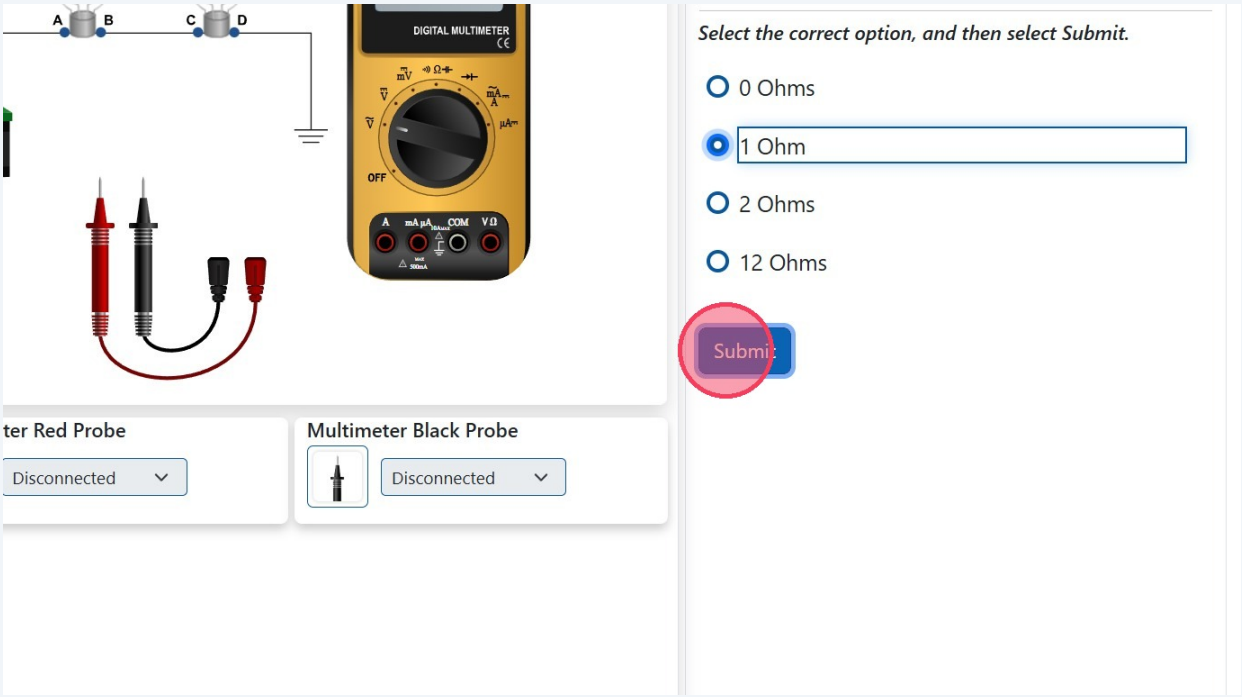
39 Find the **Question** to the right of the screen,



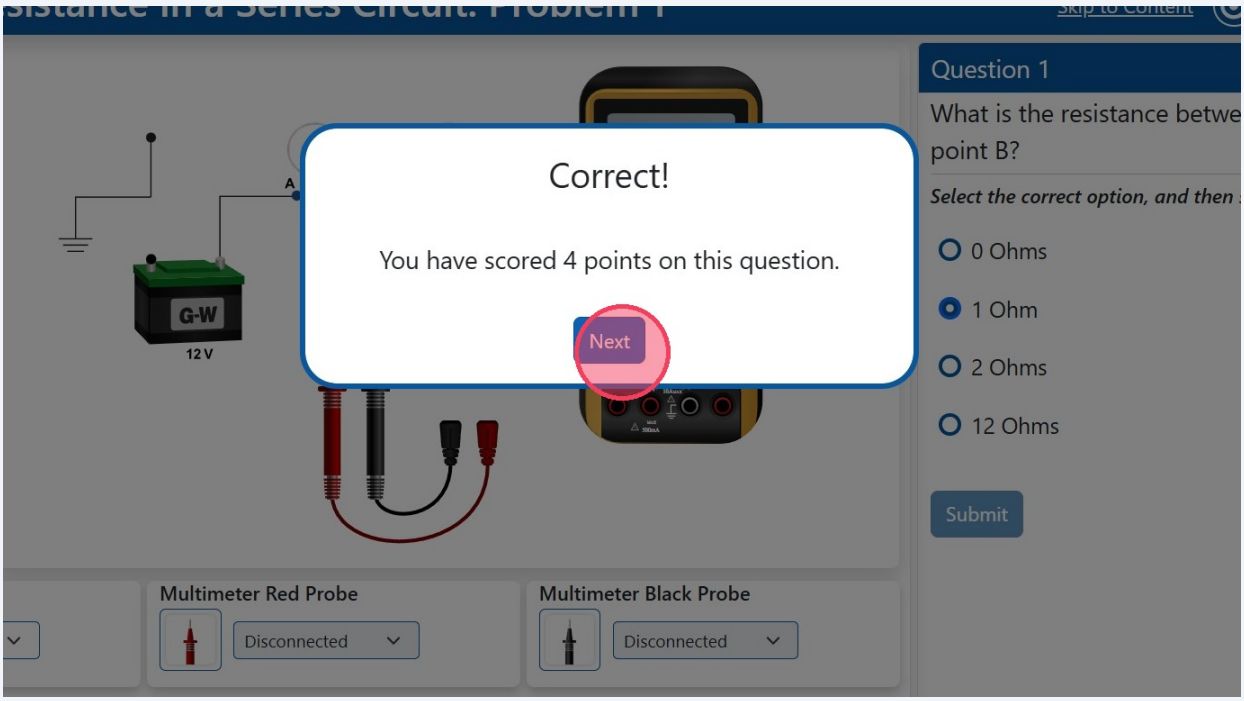
40 select an answer,



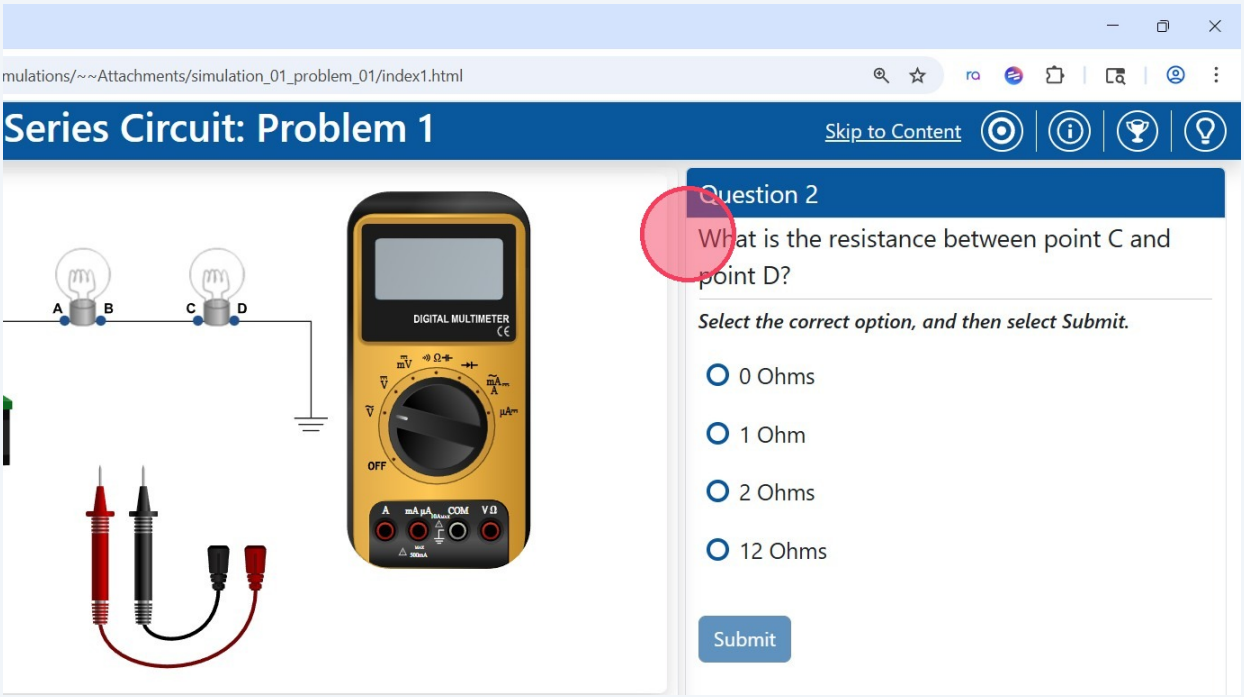
41 and select the **Submit** button.



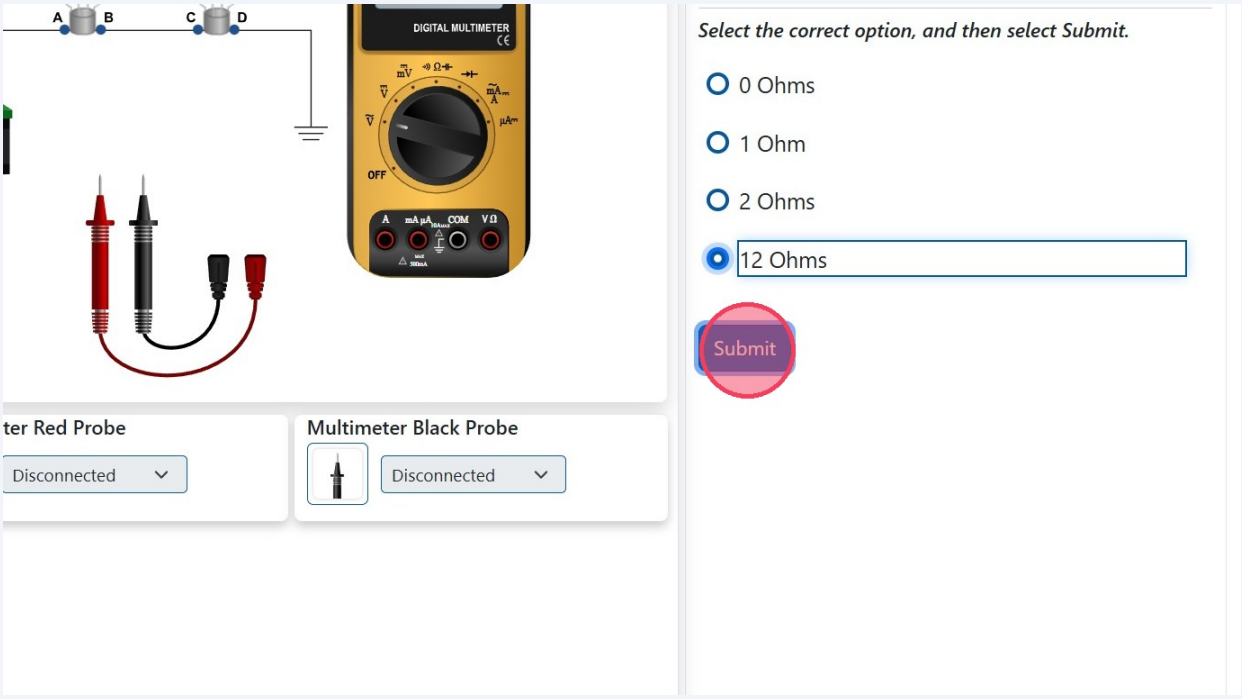
42 If you answer correctly the first time, you get the highest point value for that question.



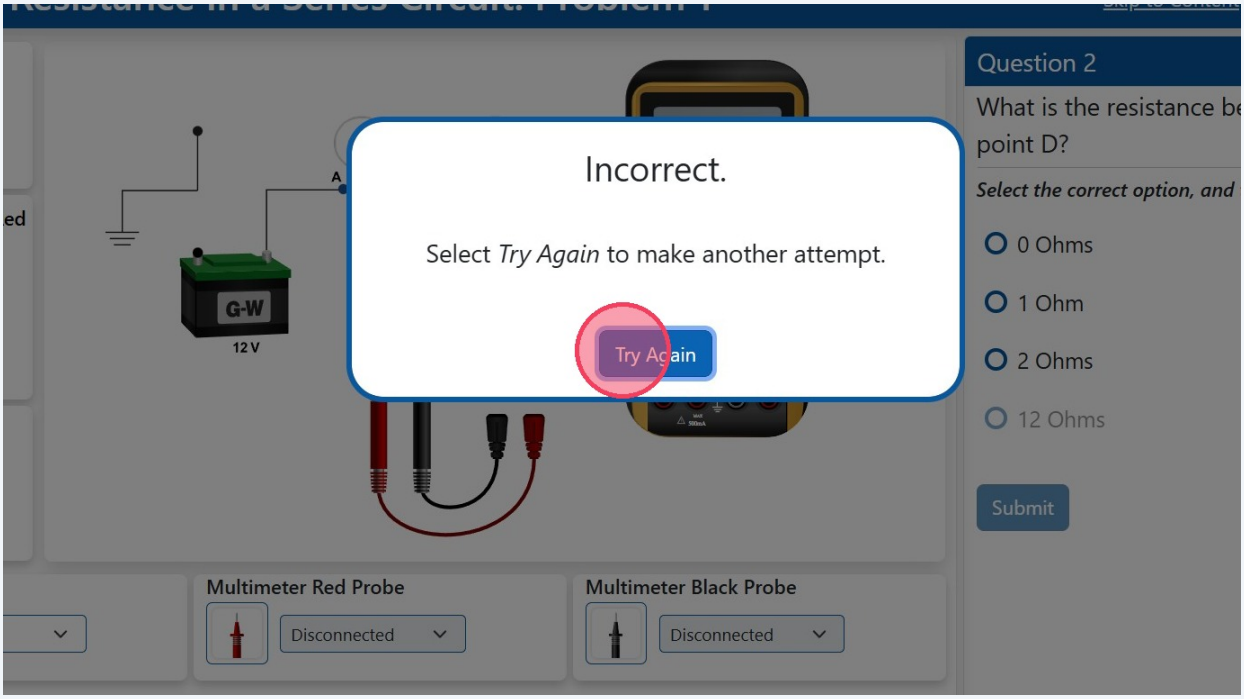
43 The next question will appear.



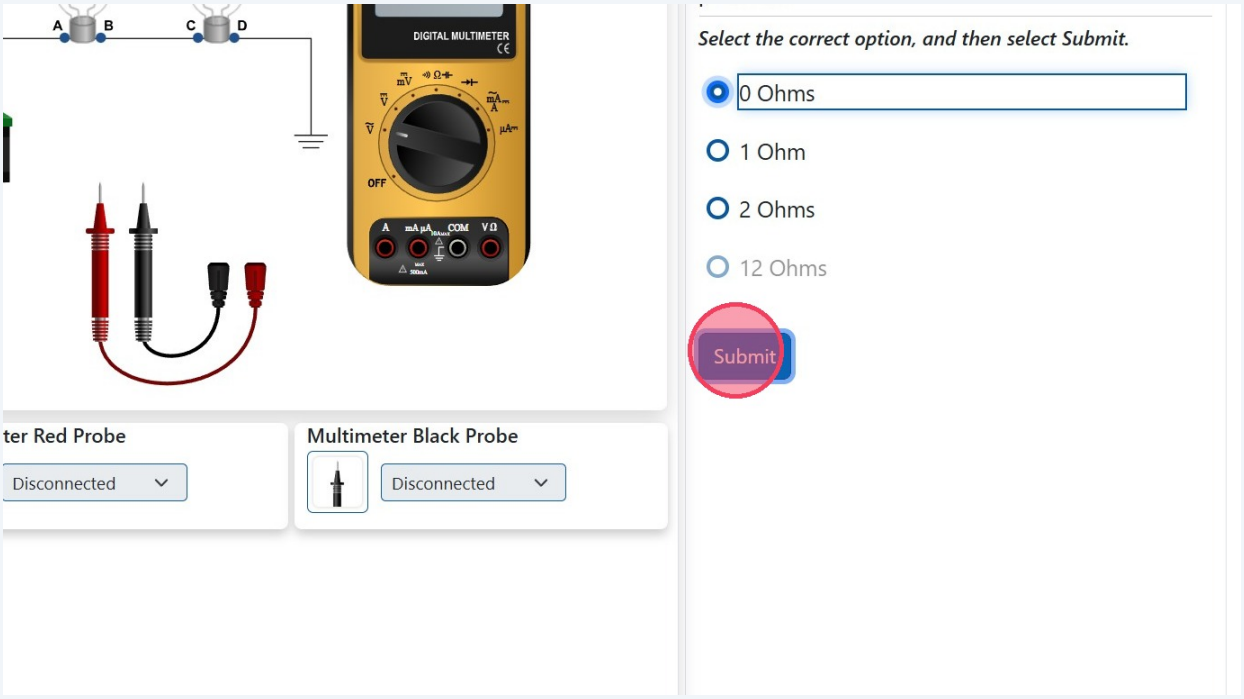
44 Make your selection and hit the **Submit** button.



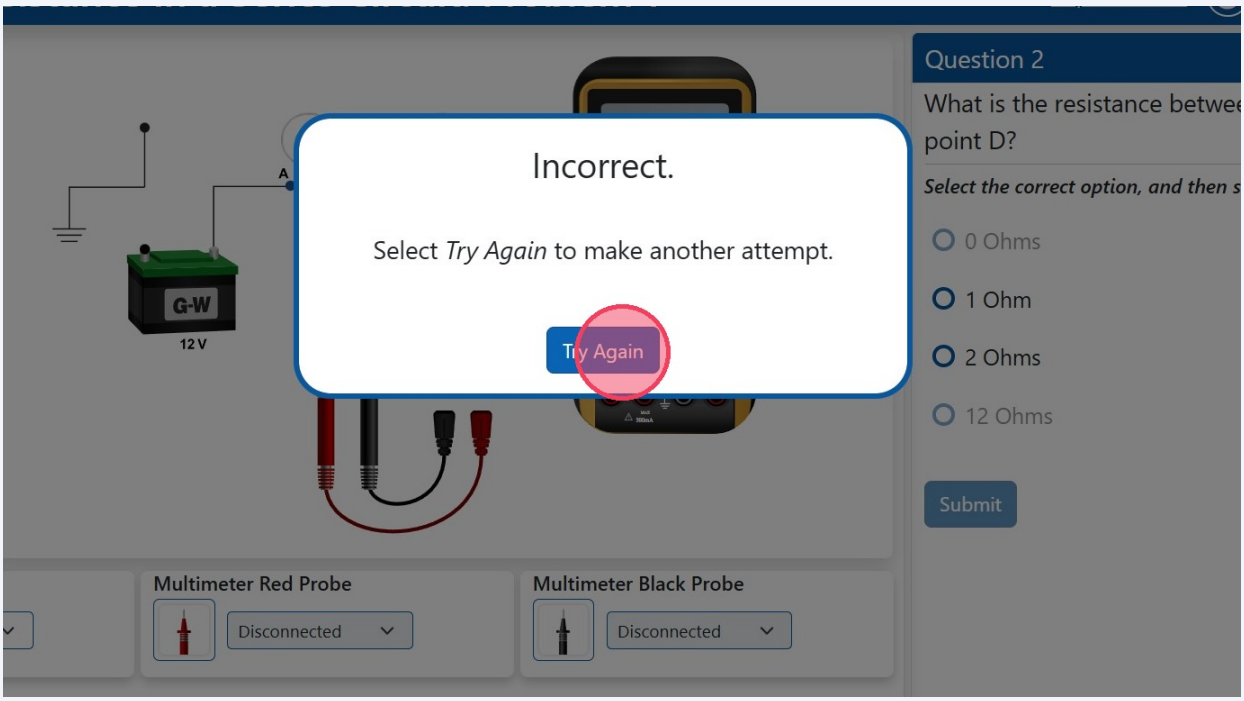
45 If you choose incorrectly, you may **Try Again**



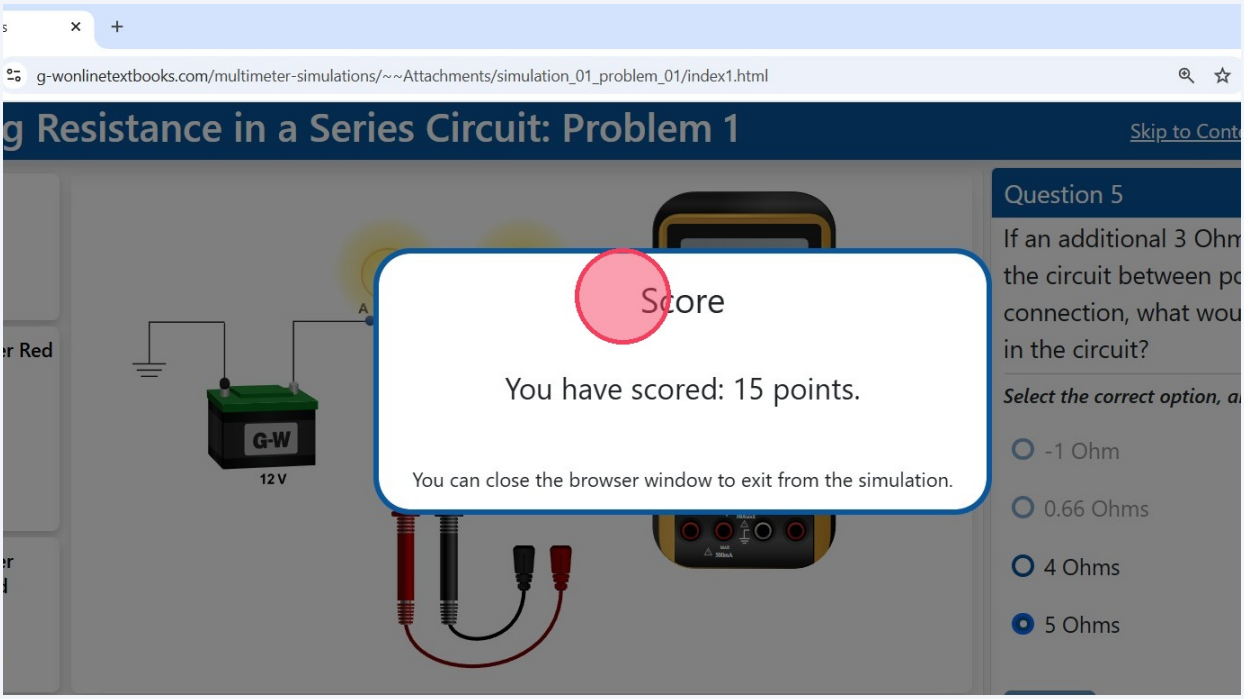
46 but each inaccurate attempt



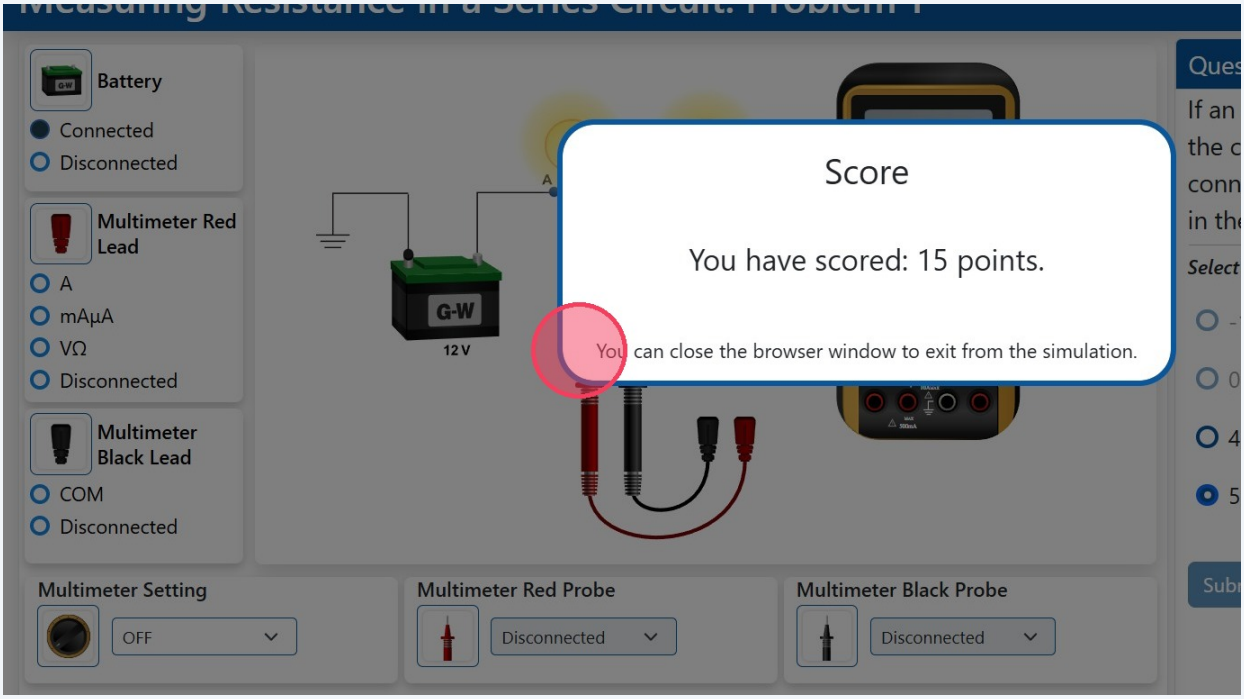
47 results in a lower point value toward your final score.



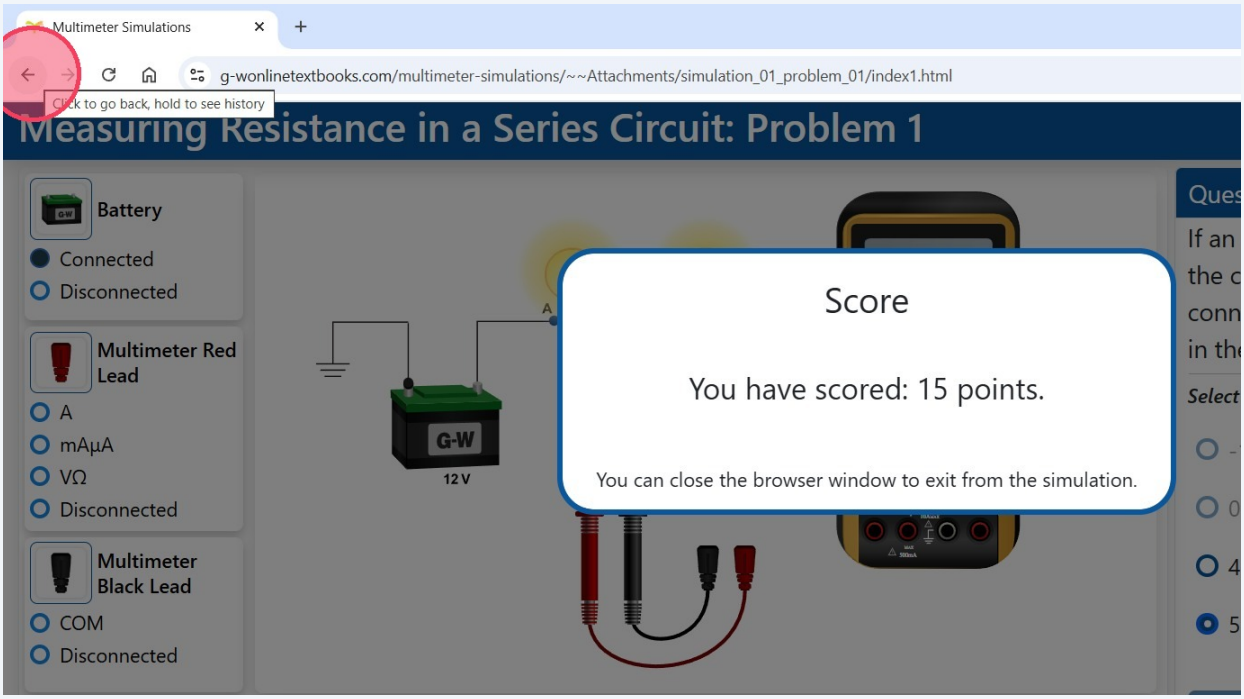
48 Once you have completed the simulation, you will be given a final score.



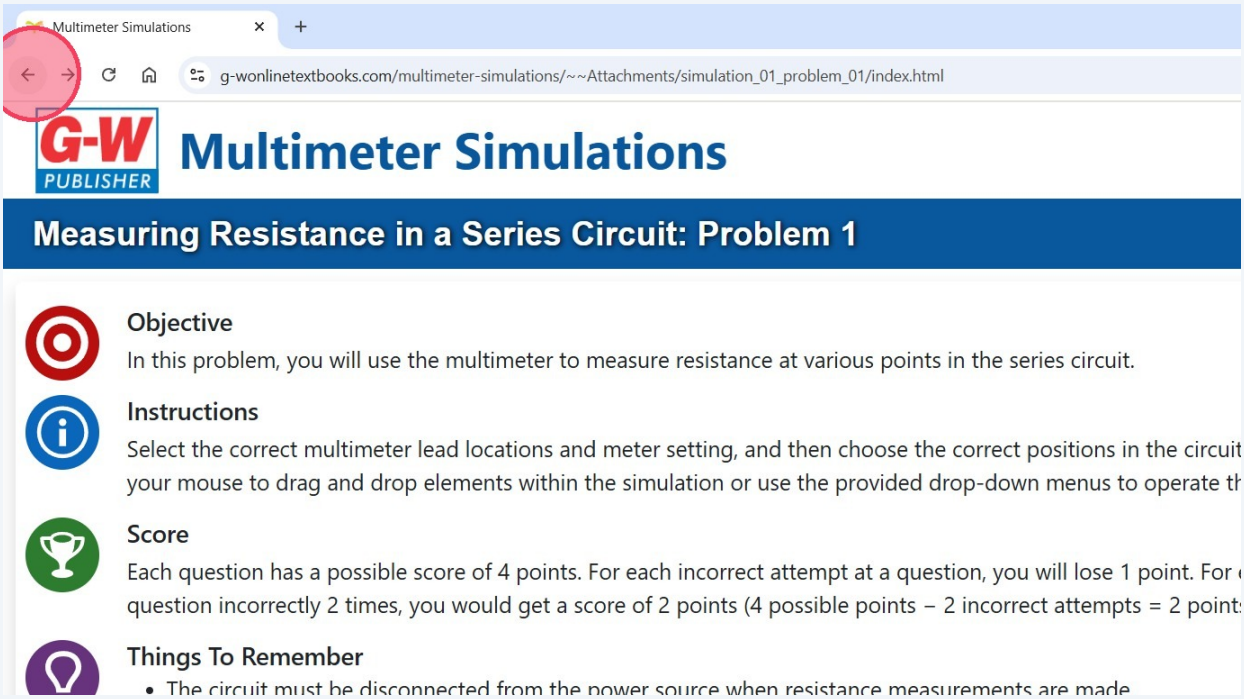
49 If you would like to give students a grade for completing the Simulations



50 one suggestion is to have them take a screenshot of the score and send that to you, digitally.



51 Select the **Back** arrow to go back to the instructions screen



52 and either select another simulation, or go back to the bookshelf of resources.