

Creating the Report Website

120 minutes (3 periods)

Coursework Project Preparation

Outcome 1.23

Outcome 1.19

Outcome 2.21

Outcome 2.19

Outcome 1.5

Outcome 1.8

WHAT THIS LESSON DOES

Please note: this module follows the 2026 project brief, whose theme was forests. The State Examinations Commission publishes a new brief each year, with its own theme and its own dates. These lessons will be updated once this year's brief is published. Check the current brief on the SEC website before you begin. In this lesson, you will create a complete local HTML report website for your LC Computer Science project. Set up the folder structure, build the index.html file with embedded video and images, apply UI principles for structure and layout, add references and a word count summary, and perform a final compliance check to ensure it meets all SEC requirements under 2500 words.

CURRICULUM OUTCOMES

Outcome	What the specification asks for
1.23	reflect and communicate on the design and development process
1.19	identify features of both staged and iterative design and development processes
2.21	critically reflect on and identify limitations in completed code and suggest possible improvements
2.19	test solutions and decisions to determine their short-term and long-term outcomes
1.5	evaluate alternative solutions to computational problems
1.8	evaluate the costs and benefits of the use of computing technology in automating processes

WHAT STUDENTS SHOULD BE ABLE TO DO

- Construct a compliant local HTML report website adhering to SEC specifications and word limits.
- Integrate multimedia elements, including a local demonstration video and relevant images, into the website structure.
- Apply fundamental UI design principles to ensure effective layout, readability, and navigation.
- Organise and manage a structured folder system for all project files, including code, assets, and documentation.
- Verify the website's completeness, compliance, and functionality through systematic testing and checklists.

BEFORE THE LESSON

- Have the official SEC brief open at pages 7 to 9 so you can point students to the exact section headings and the 2500 word and 5 minute limits.
- Test a text editor (VS Code or Notepad++) and confirm students can open a local index.html in a browser offline before class.
- Check that students have their demonstration video exported as mp4 and within the 5 minute and 1GB limits, and their artefact source files to hand.

Creating the Report Website

HOW THE LESSON RUNS

Objectives

Exact Requirements for the Report Website

Setting Up Your Folder Structure

Basic HTML Template to Start With

Embedding your Video and Images

Applying Good UI Principles

References and Word Count Summary

Final Check for Compliance

Checklist Before Next Lesson

TEACHING MOVES

- 2. Exact Requirements for the Report Website. Stress the single hardest rule: the report must be a local HTML file, not Google Sites or Wix. Marks are forfeited otherwise. Read the exact section headings straight from pages 7 to 9 so no one paraphrases them.
- 3. Setting Up Your Folder Structure. Have everyone build the exact folder structure on screen before writing any code. index.html must be the main file inside Report, with an images folder and a separate Artefact folder for source. Walk the room and check names match.
- 4. Basic HTML Template to Start With. Have students type the skeleton rather than paste it so they see head, body and the link to styles.css. Confirm each one saves both index.html and styles.css into the Report folder, not Downloads.
- 5. Embedding your Video and Images. Check the src paths point inside the images folder. A video that plays for the author because the file sits open elsewhere will fail on submission. Test the embed by closing everything and reopening index.html.
- 6. Applying Good UI Principles. Frame this as 5 real marks for structure and layout. If anyone wants Bootstrap, insist they download the files locally into the folder. Any CDN or online link breaks the offline requirement and loses marks.
- 7. References and Word Count Summary. Have students paste each section into a word counter and fill the table honestly. The total must be under 2500. Catch anyone assuming they are under without checking.
- 8. Final Check for Compliance. Run the compliance list as a genuine test: open the folder on a different device offline. Remind them to anonymise any personal data for GDPR before it goes anywhere near submission.

WHAT TO WATCH FOR

- Students believe a report that displays correctly on their own machine is therefore complete and compliant. Make them zip the folder, move it to another device, disconnect from the network and open it. Broken image, video or CSS links surface immediately.
- Students think hosting on Google Sites, Wix or referencing an online CDN is fine because it looks the same in a browser. Point to the brief: submission must be fully local and work offline. Show that a page depending on an external link is blank the moment there is no internet.
- Students assume any video they can play counts, ignoring the 5 minute and 1GB limits or that it must be stored locally. Check file duration and size together and confirm the mp4 sits inside the images folder, not linked from a cloud drive.

DIFFERENTIATION

- Emerging: Give them the skeleton template already saved in the correct folder so they start from a working page rather than an empty file. Pair them with someone whose folder structure is correct so they can copy the layout before adding content.
- Developing: Have them explain aloud what each src path points to before they test, so they reason about file location rather than trial and error.
- Proficient: Point them at the 5 UI marks: a clean styles.css with consistent image sizing, readable fonts and clear navigation, done with locally downloaded assets only. Ask them to draft the evidence in their video script that shows how the artefact meets the advanced requirements, useful material for the evaluation section.