

# Internet Advanced

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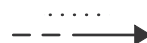


1. Have the Internet and Computers and Mobile Devices honors.
2. Define the following terms (or their equivalents) and tell where and how they are used:
  - a. HTTP (HyperText Transfer Protocol)
  - b. Hyperlink
  - c. HTML (HyperText Markup Language)
  - d. CSS
  - e. Hex Codes (for color)
  - f. URL (Uniform Resource Locator)/Domain Name
  - g. Responsive Design
3. Explain and show examples of each of the following on a functional website.
  - a. Website
  - b. Webpage
  - c. Clickable Link
  - d. Menu
  - e. Calendar
  - f. About Us/Contact page
  - g. Photo gallery
  - h. Header/Footer
  - i. Embed
  - j. Form
  - k. Button
4. Explain and evaluate the different types of graphics used on the internet:
  - a. GIF
  - b. JPEG or JPG
  - c. PNG
  - d. SVG
5. Learn and demonstrate the use of basic HTML commands OR an equivalent website-building tool/language (like WordPress, Wix, XML, or PHP).

If using HTML, be able to write a basic page that includes these tags:

  - a. `<html>...</html>`
  - b. `<head>...</head>`
  - c. `<body>....</body>`
  - d. `<h1>...</h1>`
  - e. `<b>...</b>`
  - f. `<i>...</i>`
  - g. `<p>...</p>`
  - h. `<br />`
  - i. `<hr />`
  - j. `<ol>...</ol>`
  - k. `<ul>...</ul>`
  - l. `<a href>`
  - m. `<img src="" /> <!-- image -->`

Note: You may also demonstrate equivalent features using modern drag-and-drop website builders or visual editors, as long as you can explain how the above concepts are being used.



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6. Explore and apply basic web graphics skills:
- a. Learn how web graphics can be made small enough to load quickly on websites.
  - b. Create and save the same image in three common web formats (like JPG, PNG, and GIF). Make sure each file is small enough to load quickly.
7. Build and maintain a functional website, alone or with a group (e.g. family, Pathfinder unit, church team) for three months, keeping it updated. The site should include at least four connected pages. It can be built using HTML, a website builder like Wix, WordPress, Google Sites, or similar.

Elements to include within the website:

- a. Navigable Menu
- b. Embedded Images (three properly used graphics formats)
- c. Clickable links
- d. Text in custom hex color (e.g. #0099CC)
- e. Header and Footer
- f. Responsive Design

The website should include:

- g. Homepage – Say what the site is for, include at least one image.
- h. Photo Gallery – Show real-life events or fun experiences from your group.
- i. Contact Page – Include a contact form and email address.
- j. Links Page – Share at least 8 links to helpful or favorite websites (such as Adventist resources, Bible tools, or hobbies).
- k. (Optional but encouraged) If the site represents a Pathfinder club or youth ministry, include a calendar of upcoming events.

## Skill Level 2

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