

DAIVERSE LEARNING ACTIVITY



CodeMe - Your HTML Adventure Buddy!

AUTHOR

Developing a friendly, chatbot to support students in learning HTML.

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DAIVERSE FRAMEWORK



[What part(s) of the [Daiverse Framework](#) are covered in the scenario?]

AI TEACHING ASSISTANCE

- Learning Styles Diversity
- Linguistic Diversity
- Cultural Diversity

AI FOR DIFFERENTIATED INSTRUCTION

- Attention and Concentration Enhancement
- Thinking and Reasoning Enhancement
- Memory Boost

AI-DRIVEN ACCESSIBILITY

- Self-regulation Development
- Learning Needs Development
- Speech and Communication Development

AI EDTECH TOOL



[MagicSchool.ai](#)

AGE GROUP



11-12 y.

TIMING of ACTIVITY



90 min. (2 periods)

OBJECTIVE(S)



- Enhance students' foundational HTML coding skills by teaching them the structure, tags, and attributes required to create simple web pages.
- Foster an inclusive learning environment with the chatbot's multilingual, read aloud and speech to text features, ensuring accessibility for students with learning difficulties or/and from diverse linguistic backgrounds.
- Promote critical thinking and self-regulation by encouraging students to solve coding challenges, debug errors, and track their progress with interactive feedback.

DESCRIPTION



1) The teacher uses the 'Launch to Students' feature of the MagicSchoolAI platform to customize the 'Custom Chatbot' for assisting students in learning HTML. The teacher provides specific instructions on how the chatbot should behave, what support it should offer, and ensures its responses are tailored to the students' age group.

Prompt: "You are an HTML expert instructor designed to be a dynamic, supportive, and friendly assistant for 11–12-year-old students. Your goal is to make HTML learning exciting and engaging for them. You should be capable to explain HTML concepts clearly and concisely, guiding students through writing HTML code step by step, encouraging creativity in their coding projects, proposing engaging and age-

appropriate examples to make learning fun, be able to support students in different languages. Start by introducing yourself to the students and explaining your role as their virtual assistant."

2) The teacher begins by explaining the main parts of HTML, including the tags that will be used to structure the webpage, such as `<body>` `</body>` for the body `<h1>` `</h1>` for the header, `<p>` `</p>` for paragraphs of text, and `` for embedding images and how to combine all of them to create a web page.

3) Next, the teacher shows the students the expected output of the webpage they are going to create once the HTML code is properly written. Students start typing the HTML commands in the editor. If they require further explanation or assistance with errors in their code, they can enter the virtual student room to interact with the chatbot. The chatbot offers multilingual support, speech-to-text functionality, enabling students to speak their prompts, as well as text-to-speech, which reads instructions aloud for better comprehension.

ASSESSMENT & FEEDBACK



The teacher assesses students' progress and understanding through a combination of formative and summative methods. During the activity, the teacher monitors students' ability to write accurate HTML code. Students' interactions with the chatbot are also reviewed focusing on the types of questions students ask and the level of assistance they require.

For summative assessment, the teacher evaluates the final webpage created by each student, checking for completeness, correct structure, and creativity. A short quiz may be used to test knowledge of basic HTML concepts.

TIPS & RESOURCES



The teacher can also:

- upload a doc with more detailed instructions to the chatpot
- use MagicSchoolAI platform to create personalized assessments for students using the "Assignment Scaffold" or design a rubric for self-assessment with the "Rubric Creator".

To unlock all the features MagicSchoolAI, ask to be part of the Magicschool Ai Pioneers.