

From Idea to App: Rapid AI Prototyping

Activity Plan

Overview

Participants learn what a prototype is and use Bool, an AI-powered app builder, to turn their own idea into a working app. Through brainstorming, building, and refining, they see how AI supports creativity, problem-solving, and rapid design.

Recommended Audience: Adult learners (general public, community members, professionals)

Activity Length: 60 minutes

Experience Level: Beginner

Technical Requirements

- Device Requirements
 - 1 computer per participant (Mac, PC, Chromebook all work great!)
 - Online connectivity at a minimum of 10Mb/sec
 - Modern browsers on computers
 - Chrome
 - Firefox
 - or Safari Version 15.1 or higher
- Tool Access
 - Teachable Machine (<https://teachablemachine.withgoogle.com/>) – no account required to train/test models
- Note on User Accounts:
 - Adults do not need an account to complete this activity on CodeHS. However, participants can only save/return to their work later if they make an account before starting the Hour of AI.
 - Adults will need to create a free Bool account to build and save their prototypes.

Activity Materials

All resources are provided directly in the course: codehs.com/hourofai/prototyping

Participants will move through:

1. Content Pages introducing prototyping and Bool
2. Brainstorming Activity (Free Response) – generate three app ideas and choose one
3. Prototype Activity (External Tool + Free Response) – build the first prototype in Bool and reflect
4. Iteration Round (Free Response) – refine the prototype, share updated link, and reflect
5. Wrap-Up Content Page – keep exploring with optional next steps

Content Standards

This activity supports the following AI literacy competencies from the CSTA K–12 Artificial Intelligence Standards (2021):

- **AI-04.A-ic.3:** *Use AI systems to explore new perspectives and approaches that build upon original ideas (create).*
- **AI-04.B-ic.4:** *Evaluate whether AI outputs should be accepted, revised, or rejected (engage).*

Activity Instructions

- Before the Hour of AI:
 - Review the technical requirements for this activity
- During the Hour of AI:
 - Direct participants to codehs.com/hourofai/prototyping
 - Allow participants to work through Hour of AI at their own pace
- After the Hour of AI:
 - Did you know that CodeHS offers K-12 AI curriculum, PD for teachers, and classroom tools? Go to codehs.com/ai to learn more about how you can continue learning about AI.

Need Help?

Email hello@codehs.com to get in touch with our support team!