



**Beyond
Ready**

Presidential AI Challenge

Track Two

How to Use This Workbook

This workbook is your step-by-step guide to the Presidential AI Challenge. You'll move through seven stages: Identifying, Understanding, Ideating, Designing, Building, Testing, and Communicating, ultimately moving from idea to prototype.

At each step you will:

- Change Roles
- Complete activities
- Reflect on your learning
- Practice workforce readiness skills (problem-solving, professionalism, teamwork, career exploration)

This challenge is about more than technology – it's about helping people, solving problems, and preparing for your future. We must remember that AI is powerful; we must use it responsibly, ethically, and fairly.

Step 1: Identifying

Team Roles

Role	Team Member Name
Leader	
Designer	
Note-Taker	
Researcher	

Your Mission: Choose a real-world issue you care about.

Activity – Brainstorm Issues

Write down some problems you see in your school, community, or the world:

Problem #	What is the issue?	Who would benefit if it were solved?
1		
2		
3		
4		
5		
6		

Activity – Choose Your Challenge

Write down the problem your team will focus on:

Why is this issue important to your community?

Activity – Interview Stakeholders

Talk to at least 2–3 people (friends, family, or community members) about this problem.

Person Interviewed	What challenge do they face?	What would a fair, respectful solution look like?
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Reflection: After conducting your interviews, what new insights have you gained about the problem?

Career Connection: Write down one college major or career that relates to your problem.

Check-In & Reflection (Every Session)

At the **start of each meeting**, rate your stress (1–5):

1 = low stress | 5 = high stress

At the end of each meeting, answer:

- What went well in my leadership today?

-
- What could I improve next time?
-
-

Thrive Self-Check

Circle your answers:

- I felt confident today: YES / SOMETIMES / NO
- I had a chance to lead: YES / SOMETIMES / NO
- I felt valued and respected: YES / SOMETIMES / NO
- I learned something new: YES / SOMETIMES / NO

Step 2: Understanding

Team Roles

Role	Team Member Name
Leader	
Designer	
Note-Taker	
Researcher	

Your Mission: Research your problem and explore how AI could help.

Activity – Gather Information

Check at least two sources you'll use:

- ☐ Online articles
- ☐ Talking to experts
- ☐ Surveys
- ☐ Books
- ☐ Videos

Reflection Questions

- Write down two things that you learned about AI responsibility, bias, or ethics

- How can we use AI with *integrity and honesty*?

Team Gratitude Check: Write one thing you're grateful for in your team today:

Check-In & Reflection (Every Session)

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- What could I improve next time?

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Step 3: Ideating

Team Roles

Role	Team Member Name
Leader	
Designer	
Note-Taker	
Researcher	

Your Mission: Brainstorm possible AI-powered solutions.

Activity – Idea Brainstorm

Idea	Who Benefits	Long-Term Impact

Stakeholder Input

Interview at least one person (friend, teacher, family member, or community member). Write what they said:

Reflection Questions

- What happens if your solution doesn't work?

What ethical responsibility do you carry as an AI creator?

Workforce Skill Connection: Learning from failure is an essential professional skill. Write one way you will handle setbacks.

Check-In & Reflection (Every Session)

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Step 4: Designing

Team Roles

Role	Team Member Name
Leader	
Designer	
Note-Taker	
Researcher	

Your Mission: Show how your AI solution would work.

Activity – Create a Sketch

(Draw in the box below – add labels to show how your solution works. You can also draw on a separate page or using a program like Tinkercad)

Reflection Question

How will your design help make a difference in people's lives?

Career Connection: What careers involve designing technology?

Check-In & Reflection (Every Session)

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What could I improve next time?

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Step 5: Building

Team Roles

Role	Team Member Name
Leader	
Designer	
Note-Taker	
Researcher	

Your Mission: Create a prototype of your AI solution.

Activity – Choose a Tool

- ☐ Teachable Machine
- ☐ Scratch w/ ML extensions
- ☐ MIT App Inventor
- ☐ Other: _____

Use this space to describe your prototype:

Reflection Question

What was the hardest part of creating your model?

How did you overcome it?

Career Connection: Find one college or training program that teaches skills for building technology. Write it here:

Check-In & Reflection (Every Session)

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What could I improve next time?

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Step 6: Testing

Team Roles

Role	Team Member Name
Leader	
Designer	
Note-Taker	
Researcher	

Your Mission: Get feedback and improve your idea.

Activity – Collect Feedback

Person/group	What they liked	What they suggested to improve

Reflection Question

Are we solving this problem in a *fair and responsible* way?

Workforce Connection: Why is feedback important in professional jobs?

Check-In & Reflection (Every Session)

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Step 7: Communicating

Team Roles

Role	Team Member Name
Leader	
Designer	
Note-Taker	
Researcher	

Your Mission: Share your proposal with others.

Activity – Choose a Format

- ☐ Slide presentation
- ☐ Poster
- ☐ Paper
- ☐ Video pitch

Draft Your Pitch

Write 5-6 sentences, describe your problem, your AI solution, and its impact:

Reflection Question

What skills from this project will you use in your future education or career?

Future Pathway Connection: Write one *college major, career, or volunteer role* connected to your project:

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Resources You Can Explore:

- [Teachable Machine](#) – make image & sound models
- [Scratch + Machine Learning Extensions](#) – build simple AI projects
- [AI for Oceans \(Code.org\)](#) – beginner-friendly AI activity
- [MIT App Inventor](#) – build mobile apps with AI
- [Presidential AI Challenge Info](#)