

**Purpose:**

Believe in Ohio provides the program curriculum in a Google Classroom for teachers. This workshop will familiarize teachers with the concepts of entrepreneurship and design-thinking ideation by engaging teachers in the very resources that they can utilize with their students to develop a STEM business or commercialization plan. Through the process of engagement, this workshop will provide instruction and activities to increase teachers' conceptual knowledge of the entrepreneurial mindset, design-thinking, and the relationship between STEM and innovation.

**Objectives:**

*Teachers will: (using the Believe in Ohio Google Classroom)*

- a. build a conceptual base using a process that takes a personally-identified problem through to finding a solution and identifying the underlying STEM concepts in that solution;
- b. be able to explain the design-thinking ideation process;
- c. understand the implications and importance for entrepreneurial and STEM instruction in the context of today's economy and students' future prosperity;
- d. identify Believe in Ohio resources that can be utilized for instruction.

**To earn 1 contact hours please follow this itinerary within the Google Classroom.**

- Complete each assignment in the classroom which includes a Final Wrap-up
  - **Respond to video means:** Write a sentence or two that gives the Big Idea. (Note: for examples see the student support sheets in Milepost videos)
  - Your assignment Using both of the documents from the Design Thinking Course Part 3 Sections
    - Technologies That Are Changing the World PDF
    - Emerging Technologies PDF
1. Peruse the technology developments provided in each of the 2 documents. Look for topics of interest to you. The documents provide insight across vast fields of technologies and subjects.
  2. After reviewing the brief discussion of the technologies on these pages, choose three, and for each provide a 1-2 paragraph discussion of why the technology development interests you and how you might apply it to develop a product, system or service in response to a specific solution problem, need, or pain point.

**Overview of the Believe in Ohio Program**

Watch Teacher Overview Video- 3 min  
 Watch How to Create and Assess an Idea using the Believe in Ohio Roadmap- 3 min  
 Watch Teacher Walk-through of Google Classroom- 20 min

**Believe in Ohio Resources**

Review documents: Scholarship Opportunity  
 Review "Technologies Changing the World"  
 Choose 2-Explain what most interested you in these topics.  
 Watch "Videos that show the importance of entrepreneurship" Videos have time listed.  
 Watch both Kaufmann series and at least one more video. Respond to videos.

**Milepost 0: Getting Started**

Teacher Quick Look- 1 min  
 Key Videos: Are You Ready for the Future?  
 "Why students are asked to do a STEM plan",  
 "What specifically must students do".  
 Respond to videos.  
 Milepost 0, Videos 1-3 w Student Support Sheet  
 Watch each video and answer the 2 After-watching debrief questions.

**Mileposts 1-3: Problem, Opportunity, Solution**

Teacher Quick Look video – 1 min  
 Key Video: "Working through Mileposts 1-3"  
 Respond to video  
 Milepost 1-3 Videos 4-6 w Student Support Sheets  
 Watch each video and answer the 2 After-watching debrief questions.

**Design-Thinking/Ideation Mini Course**

Watch Teacher Quick Look – 1 min  
 Review Lesson Plan  
 Review each PowerPoint Show  
 Write to answer: How can this be implemented in your classroom?

**Milepost 4-8- Assessing the Commercial Feasibility of your plan**

Watch Teacher Quick Look- 1 min  
 Watch Key Video "Working through Mileposts 1-8" Respond to video  
 Milepost Videos 7-13 w Student Support Sheet  
 Watch each video and answer the 2 After-watching debrief questions.  
 Review student materials

**Mileposts 9-12**

*Watch Teacher Quick Look- 1 min*

*Watch Key Video- "Working through  
Mileposts 9-12" Respond to video*

*Review student printable instructional  
material.*

**Complete Final Wrap-up : Respond to the  
questions:**

*Explain how the implementation of Believe in Ohio can  
enhance students' skills in research, creative thinking  
and problem-solving. How does Believe in Ohio give  
relevance to studying STEM subjects? Give an example  
of how Believe in Ohio can offer students a strong  
practical foundation of skills toward their future  
prosperity.*