

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)

- 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;
- be able to explain the design-thinking ideation process;
- understand the implications and importance for entrepreneurial and STEM instruction in the context of today's economy and students' future prosperity;
- identify Believe in Ohio resources that can be utilized for instruction.

To earn 7 contact hours please follow this itinerary within the Google Classroom.

- Complete each assignment that is posted 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)
- Videos-besides the Quick Looks and Walk-through of Google Classroom are between 3-12 min. in length.
- The syllabus is divided by Google Classroom sections. Follow in sequence.

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.

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.