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**BELIEVE IN
OHIO...
*CREATING A
CULTURE OF
INNOVATION***

What IS the Believe in Ohio program?



Why Participate?

It builds a bridge between education and industry to help build the STEM workforce. Every year, I see more students choosing STEM careers. Long term, this will dramatically change the landscape of our small town.

Student engagement

"Some students have told me they would not have gone to college, or that they chose to attend an Ohio college or university instead of going out of state because of Believe in Ohio scholarship money"

provides challenges for students where "grit" is developed, and perseverance is necessary

Freedom for students to use their creative and intelligent brains in a new and exciting way

FORMER STUDENTS HAVE CONTACTED ME AFTER GRADUATION TO THANK ME FOR GETTING THEM READY FOR THEIR COLLEGE CLASSES

passion we need to ignite in our young adults if we want to continue to see change in the world

organized, provides numerous useful resources for students, and offers great incentives, such as local cash awards and scholarship money to students

free and provides a comprehensive curriculum to assist in implementing the program

BiO challenges students to compete in a STEM competition on a level playing field of ideas

Students become interested in areas that they didn't even know were out there and the program allowed for them to step out of the bounds of the normal chemistry curriculum

Teacher Info

Teacher implementation guides

Classroom grants for
educators

DETAILED IMPLEMENTATION
TIMELINES

Videos, videos and more
videos!

**ALIGNED TO OHIO LEARNING
STANDARDS FOR SCIENCE
AND BUSINESS**



Professional Development for teachers

- Google Classroom
 - 7 contact hour self-guided PD
 - Graduate credit from Kent State or Ashland
 - HS Teachers are reimbursed when course is completed!

Believe in Ohio and Science Day... A Perfect Collaboration

How to Transform Science Day Projects into *Believe in Ohio* Plans



Why participate in both?

Science day projects increase your interest and understanding of science, provide career exploration opportunities, and can recognize your achievements in the sciences.

Believe in Ohio plans emphasize the importance of STEM, and the need to develop critical thinking, problem-solving skills, and an entrepreneurial mindset.

What are key requirements?

Science Day projects integrate into one functional activity – the skills and arts that are usually taught separately – resulting in a cross-discipline demonstration in skills like writing, math, graphic arts, scientific methodology and public speaking.

Believe in Ohio plans introduces college and workplace experiences – using concepts of entrepreneurship, developing problem solving, critical thinking, and collaboration skills in development of a commercialization or business plan.

What's different?

Both begin with the identification of a problem or need.

Science Day projects test a hypothesis, complete research, test, collect and analyze data to state a conclusion.

Believe in Ohio plans develop a written “science & technology proof of concept” with both a persuasive science and technology assessment and a plan for the concept’s likely commercial feasi-

Resources for students

- **Videos**
- **Printable Instructional Materials**
- **Templates**
- **Examples of past highly rated plans**
- **Judging rubrics**

Scholarships

Local competition
money

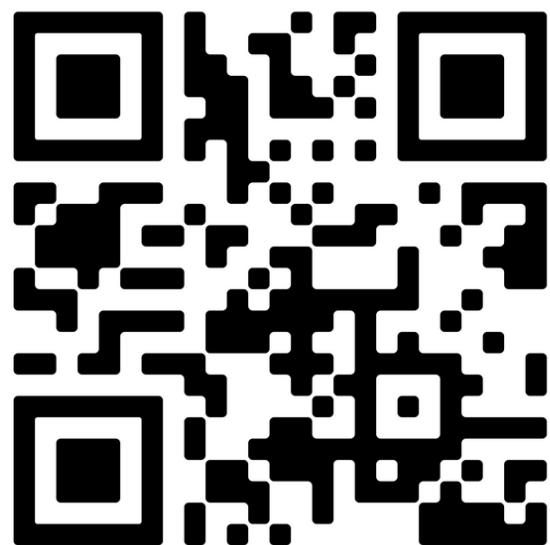
State qualifying \$

**State Competition
\$375,000**

**132 \$1000 STEM and
Entrepreneurship
Scholarships for
Ohio Jrs/Srs**



Teacher PD through Google Classroom



SCAN ME

What next?

Fill out an MOU...



Believe in Ohio

HIGH SCHOOL PROGRAM (GRADES 9-12)

SCHOOL YEAR 2021-2022 MEMORANDUM OF UNDERSTANDING (MOU)

- To participate in the Believe in Ohio High School Program (Grades 9-12)
- To receive funding for local Competition Student Awards
- To request Teacher Support Funds

Submission deadlines

- **January 15, 2022** -For students to be eligible to compete in the February 2022 Qualifying Competition
- **April 25, 2022** -For students to be eligible to compete in the June 2022 Qualifying Competition

This Memorandum of Understanding is between The Ohio Academy of Science and the teacher shown below to implement a local Believe in Ohio STEM Commercialization and/or STEM Business Plan competition (BiO Competition) during the 2021-2022 school year. Read the additional information on the reverse side of this form which explains how the competition will work. All local BiO Competitions must follow all the rules described on the BiO website. www.BelieveinOhio.org This MOU may be amended to add or subtract and/or change the estimated number of student plans prior to the MOU submission deadlines noted above and with the approval of The Ohio Academy of Science (or one of its STEM Advocates).

*Local Student Competition Cash Awards (Based on the total number of completed Plans)

(Plans must receive at least 24 points to receive any cash award)

Plans	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50+
Award Amount	\$300	\$500	\$750	\$1,000	\$1,250	\$1,500	\$1,750	\$2,000	\$2,250	\$2,500

*Teacher Support (Based on the number of students)

For program supplies, misc. costs, and professional development time.
\$100 paid upon acceptance of MOU, balance paid after the state competition.

Number of students	5-20	21-50	50+
Amount	\$300	\$400	\$500

Endorsed by:

Ohio 4-H

**Association of
Career Technical
Educators (ACTE)**

Ohio Higher Ed

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