

2022 Lancaster-Lebanon Mini-STEM and Elementary STEM Bowls February 24 and March 4, 2022

Placement	Mini-STEM Bowl Winning Teams (Grade 3)	Elementary STEM Bowl Winning Teams (Grades 4 & 5)
1 st Place Team	Warwick STEM Warriors	Eastern Lancaster County Spartans
2 nd Place Team	Elizabethtown Area Quizzly Bears	Warwick STEM Warriors
3 rd Place Team	Cocalico Elementary Team	Annville-Cleona Little Dutchmen-Red
4 th Place Team	Sacred Heart Flying Eagles	Sacred Heart Mighty Mitochondria
5 th Place Team	Donegal STEMinators	Donegal STEMinators

Participating Schools and School Districts (Total participation: 220 students)

Mini-STEM Bowl (Grade 3)	Cocalico SD	Linville Hill Christian (2 teams)
	Donegal SD (2 teams)	Mount Calvary Christian School
	Eastern Lancaster County SD	Sacred Heart School
	Elizabethtown Area SD (2 teams)	St. John Neumann School
	Warwick SD	

Elementary STEM Bowl (Grades 4 & 5)	Annville-Cleona SD (2 teams)	Mount Calvary Christian School
	Donegal SD (2 teams)	Sacred Heart School
	Eastern Lancaster County SD	St. John Neumann School
	Ephrata Area SD	Warwick SD

*All students are to be congratulated for their outstanding teamwork,
good sportsmanship, and knowledge of STEM!*

Student Reflections

- I learned that some people know a lot of things and I learned good sportsmanship.
- Making a car out of recycled things was fun.
- I liked the racecar races because we had to think together.
- It was really fun for me when I got a question right.
- The STEM Bowl is about having fun, and the STEM design challenge is not a competition.
- It doesn't matter about winning; always try your best.
- I loved the design process in the STEM activities.
- I learned to be patient and that I don't need to stress over things like this.
- Sometimes I can be over-thinking things.
- I really enjoyed the hands-on activities and the buzzers!
- You can use your imagination in a lot of situations.
- You can be competitive while having fun!
- I like solving questions because it's a fun way to learn.
- I like how math triggers my brain.
- I'm going to study more and try to go to other STEM Bowls.
- You don't have to win to have fun.
- I liked learning new words and working as a team to design the car.
- It's important to study hard and be humble.
- A "try" is better than nothing.
- Always have a good attitude.

Teacher Feedback

- Thank you to the Millersville University students. My team really enjoyed the challenges and the opportunity to build and share with other schools.
- The maze challenge was especially unique and had clear parameters.
- I thought the design and lessons of the STEM Challenges were very fun for the students and taught them problem-solving skills.
- We had a great time. The structure and organization of the event is great. The day moved quickly and there is little down time. Thanks for all the time you put into organizing.
- My students had a great time and want to return next year!

Special thanks to

- **Dr. Sharon Brusic**, Professor & Coordinator for Technology & Engineering Education, Millersville University, and her students in the Children's Engineering course who designed the STEM Challenges for the 2022 Lancaster-Lebanon STEM Bowl competitions.
- **Dr. Charlton Wolfgang**, Associate Professor of Gifted and STEM Education, Millersville University, for serving again this year as our championship round moderator for both the Mini-STEM and Elementary STEM Bowl competitions.
- **Lauren Duva**, Millersville University student and creator of the STEM Challenge project, "The Racecar Races!"
- **Noelle Htwar** and **Rebecca Berglund**, Millersville University students and co-creators of the STEM Challenge project, "The Marble Maze Craze."
- **Lancaster-Lebanon Education Foundation's** support of the 2022 Lancaster-Lebanon STEM Bowl competitions.



