



2020 STEM Bowls

March 9-10, 2020

PLACEMENT	GRADE 3 WINNING TEAMS	GRADE 4 & 5 WINNING TEAMS
1 st Place Team	Elizabethtown Area Bears	Elizabethtown Area Quizzly Bears
2 nd Place Team	Ephrata Area Mountaineers	Warwick STEM Warriors
3 rd Place Team	Warwick STEM Warriors	Donegal STEMinators
4 th Place Team	Palmyra Area Chatty Cougars	Ephrata Area Mounts
5 th Place Team	Annville-Cleona Little Dutchmen	Annville-Cleona Little Dutchmen

Participating Schools and School Districts

(Total participation: 104 students)

GRADE 3	Annville-Cleona	Lampeter-Strasburg
	Cornwall-Lebanon	Our Lady of the Angels
	Donegal	Palmyra Area
	ELANCO	Pequea Valley
	Elizabethtown Area	St. Anne
	Ephrata Area	Warwick

GRADES 4 & 5	Annville-Cleona	Lampeter-Strasburg
	Dayspring Christian	Our Lady of the Angels
	Donegal	Palmyra Area
	ELANCO	Pequea Valley
	ELCO	St. Anne
	Elizabethtown Area	St. Leo the Great
	Ephrata Area	Warwick

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

Student Reflections

Things I learned from or liked about the STEM Bowl:

- Stay positive! Keep trying!
- I learned that sometimes you have to think before you do. I also learned that the STEM Bowl is very fun.
- I liked building and constructing the projects. It was very fun to build the beehive and the windmill. I liked it because we had some good ideas and some not so good ideas.
- I liked building the beehive because it taught us new things and helped us brainstorm ways to help the environment. Also, I like bees.
- STEM Bowl was a fun experience and I would definitely like to go back!
- I would like to read more Science books.
- Windmills can work in many ways.
- Competitions are fun.
- My favorite activity was the beehive. I liked it because ours worked well.
- After the STEM Bowl, I want to study more. I could make this happen by studying on the weekends.
- I learned how to collaborate with people you don't know and there are questions that I can't answer.
- I would like to use my free time to research different subjects.
- I learned I'm not always right. Sometimes you have to take a risk.
- I liked the beehive activity because it was a realistic problem that's going on now.
- I would like to learn bigger vocabulary words so I can answer more questions.
- I learned you should think before you speak and you have to trust your team.
- I liked creating the windmill because it taught good teamwork.

Teacher Feedback

Teachers shared the following thoughts:

- Students were excited to be at the STEM Bowl throughout the entire day. They were practically bouncing out of their chairs.
- I think you really have a great setup between quiz rounds and STEM challenges.
- The Millersville students added an excellent piece to the competition this year.
- Structure was well organized as always.
- It was a great day for students!

Special thanks to:

- **Dr. Charlton Wolfgang**, Assistant Professor of Gifted and STEM Education, Millersville University, and his students in the Children's Engineering course who designed projects for the 2020 Lancaster-Lebanon STEM Bowl Competitions. Dr. Wolfgang served as our final-round moderator for both STEM Bowl competitions.
- **Kristen Sweet**, creator of the STEM Design Project, *The Boy Who Harnessed the Wind*
- **Samantha Kress**, creator of the STEM Design Project, *A New Home for Bees*
- **Lancaster-Lebanon Education Foundation** - LLEF supports all IU13 student enrichment activities, including the Lancaster-Lebanon STEM Bowl and Mini-STEM Bowl.





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