

# Hamden STEM Camp

## Summer 2021

### CT STEM Academy

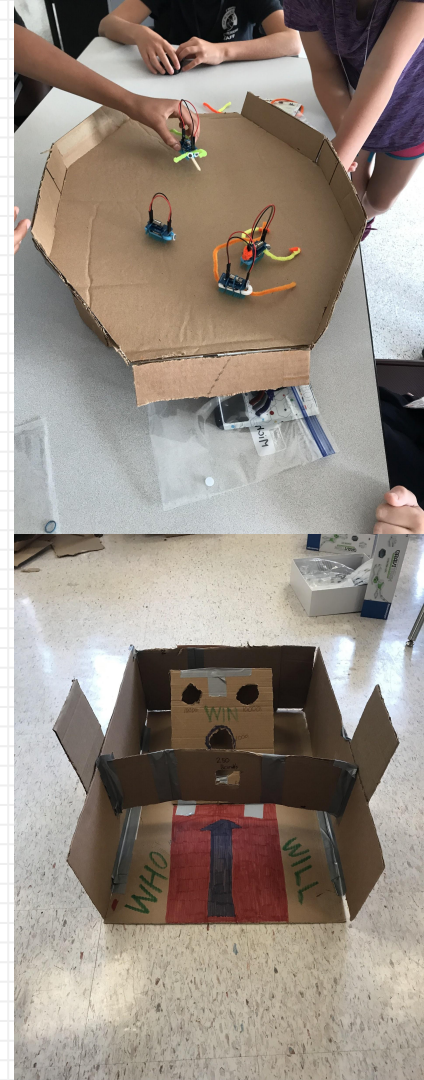


1. Engage in a range of conversations and collaborations with diverse partners while expressing ideas clearly and demonstrating NGSS application.
2. Integrate and evaluate content presented in diverse formats, including visually, quantitatively, and orally.
3. Present information, findings and supporting evidence in a purposeful manner to an audience.

# Our Outcomes

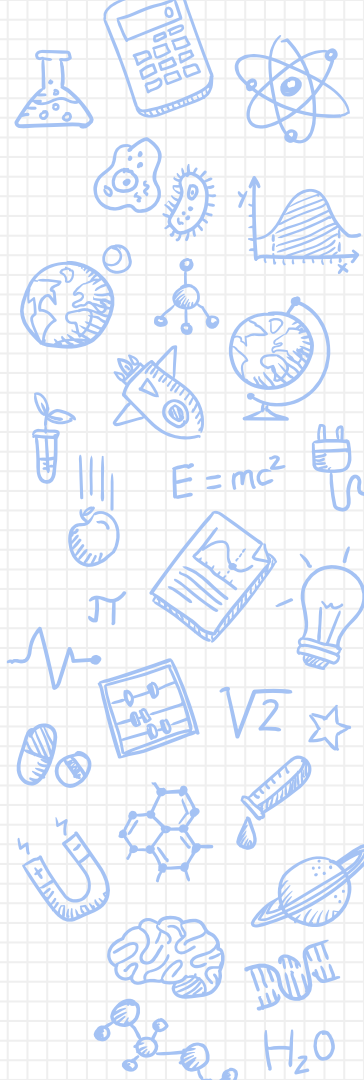
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1. Develop an interest in STEM. Students will be active participants in learning opportunities and demonstrate curiosity about STEM.
2. Engage productively in STEM learning activities. Students will demonstrate knowledge in inventive creations, conversations, integrated activities and presentations.
3. Develop an overall awareness of STEM in the global community. Students will be able to identify the role STEM plays, in their community, through discovery and application.
4. Develop soft skills through mindfulness, teambuilding and purposefully designed STEAM experiences. Soft skill focus areas will include, but not be limited to: communication, teamwork, problem-solving, time management, critical thinking, decision-making, organization, stress management, adaptability, conflict management, leadership, creativity, resourcefulness, persuasion, and openness to criticism.



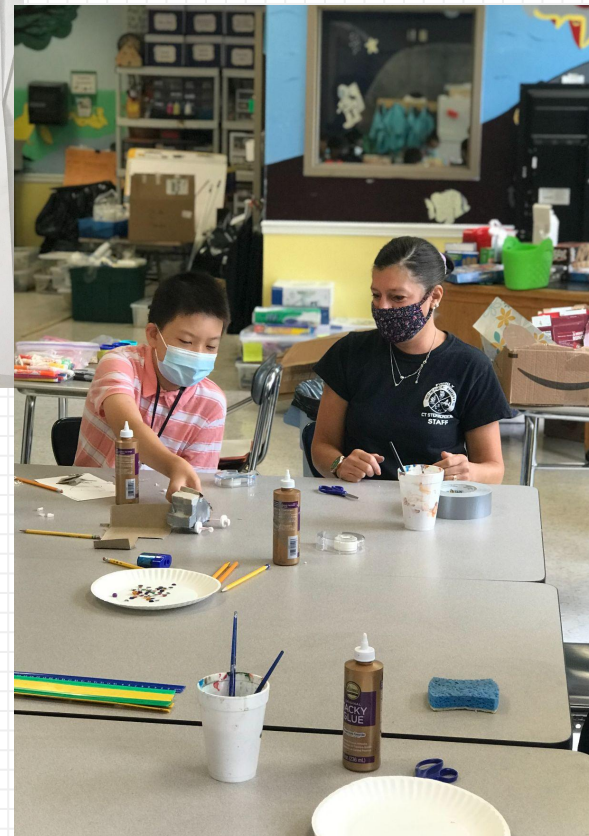
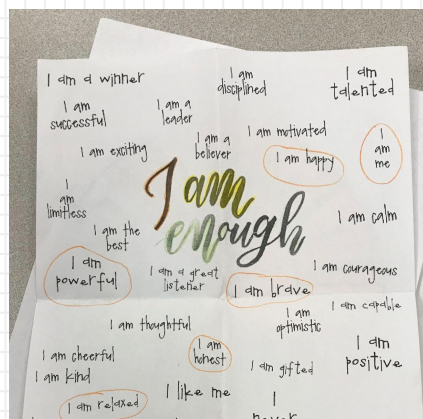
# Our Sample Schedule

ENGINEERING CHALLENGES <b>MONDAY, AUGUST 2</b>			
Time	Activity	Instructors	Notes
8:45 - 9:30 **let kids in starting at 8:45/8:50 - bus arrival time will vary.	Homeroom and Breakfast	ALL	
9:35 - 10:05	Morning Station #1	Group 1- Mindfulness Group 2- Drama Group 3- Art Group 4- Purposeful Play	Groups will rotate through all four stations in the AM
10:10 - 10:45	Morning Station #2	Group 1- Drama Group 2- Art Group 3- Purposeful Play Group 4- Mindfulness	Instructors for each station: Mindfulness - Wilton Carraway Drama - Maggie Grazioso Art - Misty Matthews (STEM related art activities)
10:50 - 11:25	Morning Station #3	Group 1- Art Group 2- Purposeful Play Group 3- Mindfulness Group 4- Drama	Purposeful Play/STEM Related - group instructor led. You will be given supplies for students to play with
11:30 - 12:05	Morning Station #4	Group 1- Purposeful Play Group 2- Mindfulness Group 3- Drama Group 4- Art	
12:05 - 1:00	Lunch, Recess, Brain Break	ALL	
1:00 - 1:45	STEM BLOCK 1	Group 1 - Contraptions Group 2 - Dissection Group 3 - Gravitrax Group 4 - Cotton Ball Catapults	
1:50 - 2:35	STEM BLOCK 2	Group 1 - Dissection Group 2 - Contraptions Group 3 - Cotton Ball Catapults Group 4 - Gravitrax	
2:35 - 3:00	Debrief, Snack, Water, Bathroom, Dismissal	ALL	
3:00 - 5:00	After Care		





# Art/STEAM & Mindfulness



## Attendance

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Session 1 - NASA Astro Camp (July 26-30)

32 students

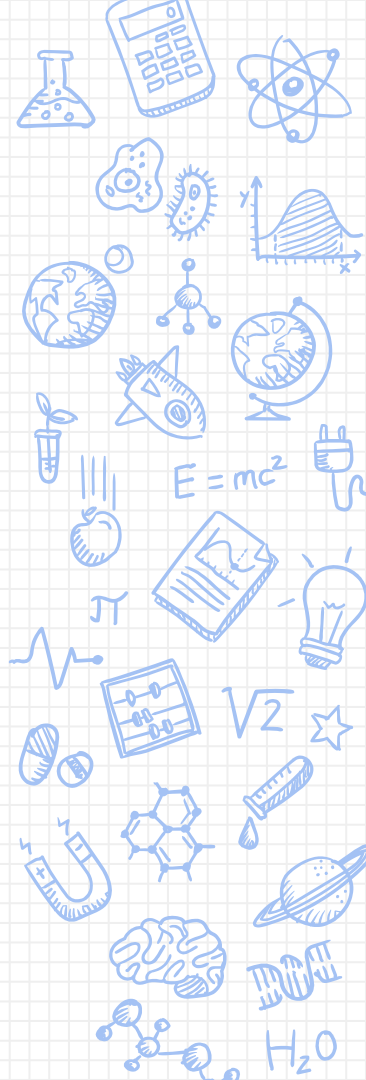
Session 2 - Engineering (August 2-6)

42 students

Session 3 - Coding (August 9-13)

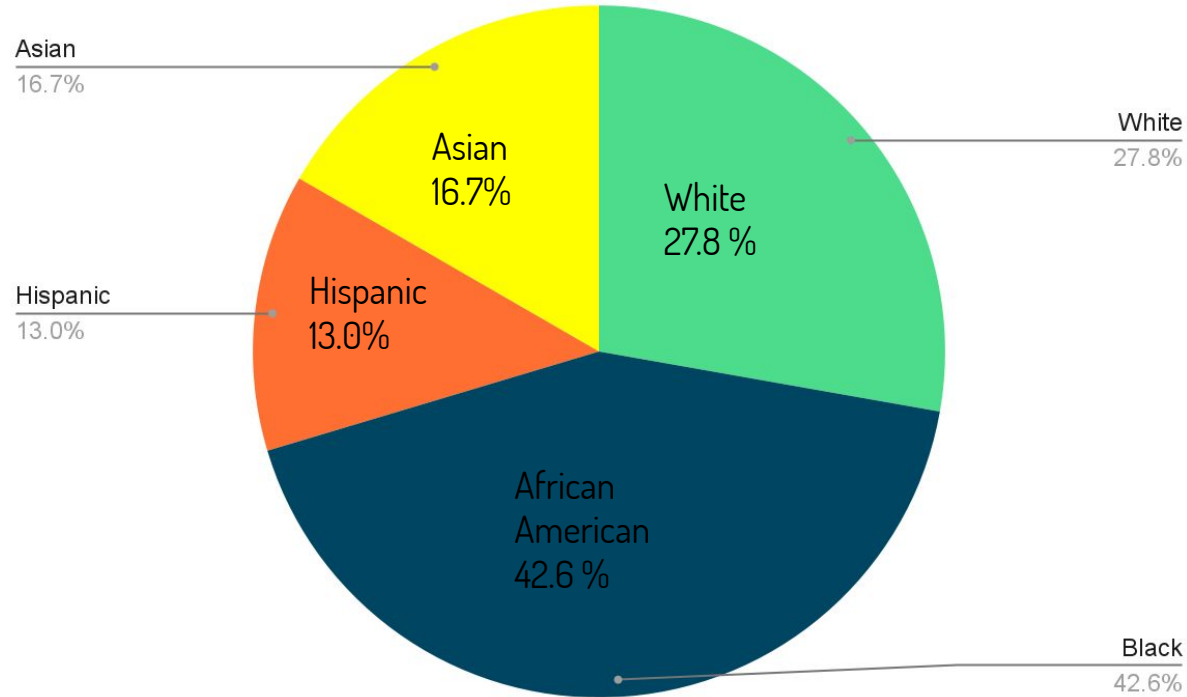
50 students

The majority of students attended more than one session.





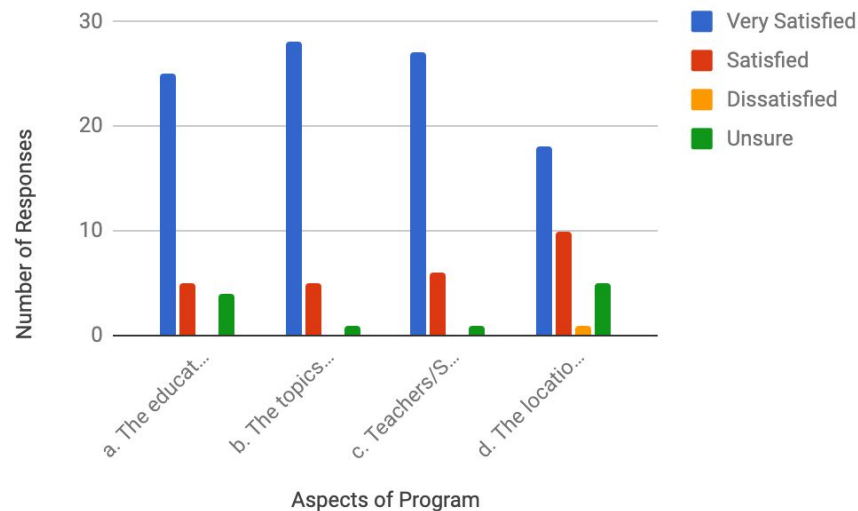
## Approximate Demographics of Attending Students



# Student Survey Results

"How satisfied are you with the following aspects of STEM Academy programs?"

	Very Satisfied	Satisfied	Dissatisfied	Unsure
a. The education program overall	74%	15%	0%	11%
b. The topics addressed	82%	15%	0%	3%
c. Teachers/Speakers	80%	17%	0%	3%
d. The locations of the programs	53%	29%	3%	15%





## Student Survey Results continued...

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### "What are the best aspects of the program?"

"The best parts were drama and art because they help me express myself"

"EVERYTHING I loved it a lot"

"Getting to know our counselors and getting to know our new friends"

"Being outside and playing"

"The best parts were the STEM activities and when we go outside to play"

"Gravitrax, soccer"

"Field trip to Mountain Mist and Bristle Bots and Ozobots"

"Making and battling our Bristle Bots"

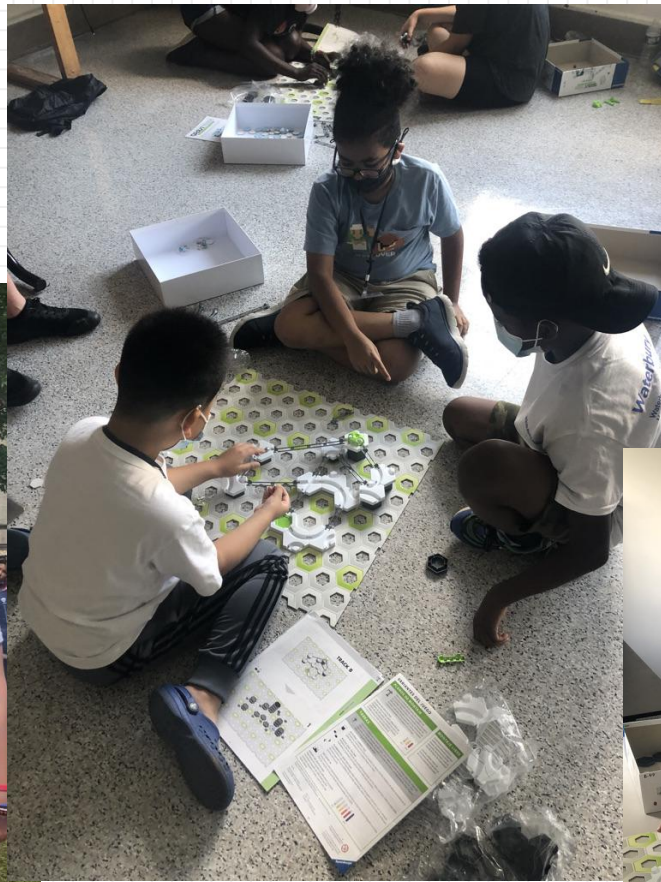
"Coding the Ozobots and playing in mindfulness"

"Nature hike on field trip"

"Mindfulness, egg drop, rockets, art"

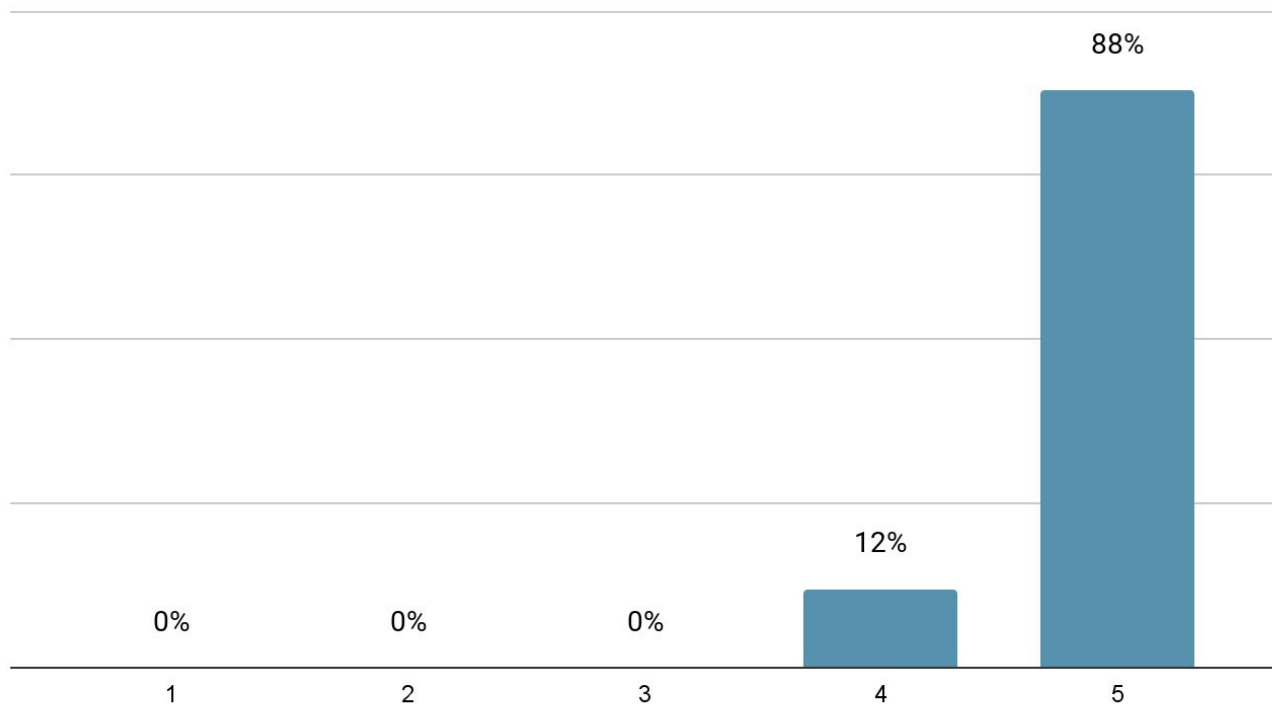






## Parent Survey Results

On a scale of 1-5, how do you feel your child has enjoyed the program?



## Parent Survey Results continued...

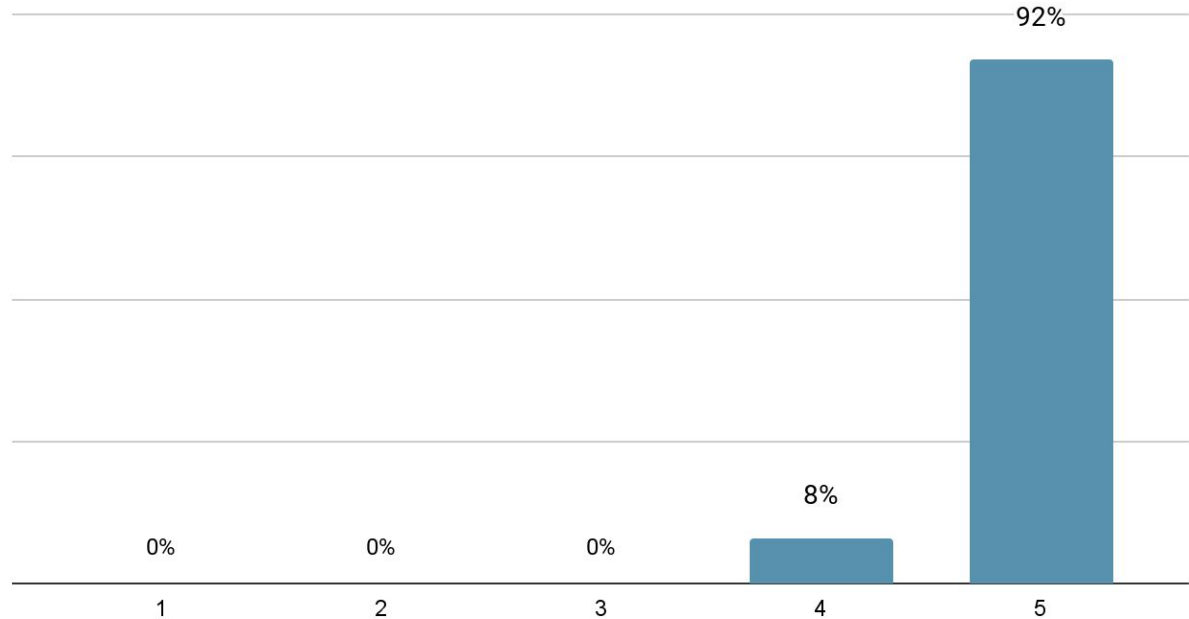
"I am grateful it was fully funded."

"The transportation offered was an added bonus! I didn't have to go to work late or leave early. Thank you!"

"I love the hours the hours work well with my work schedule."

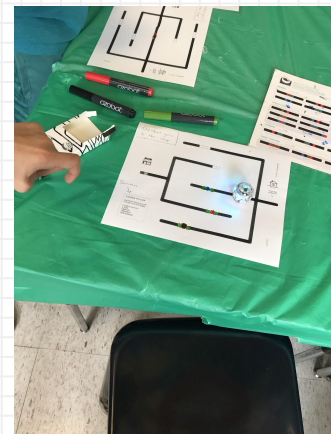
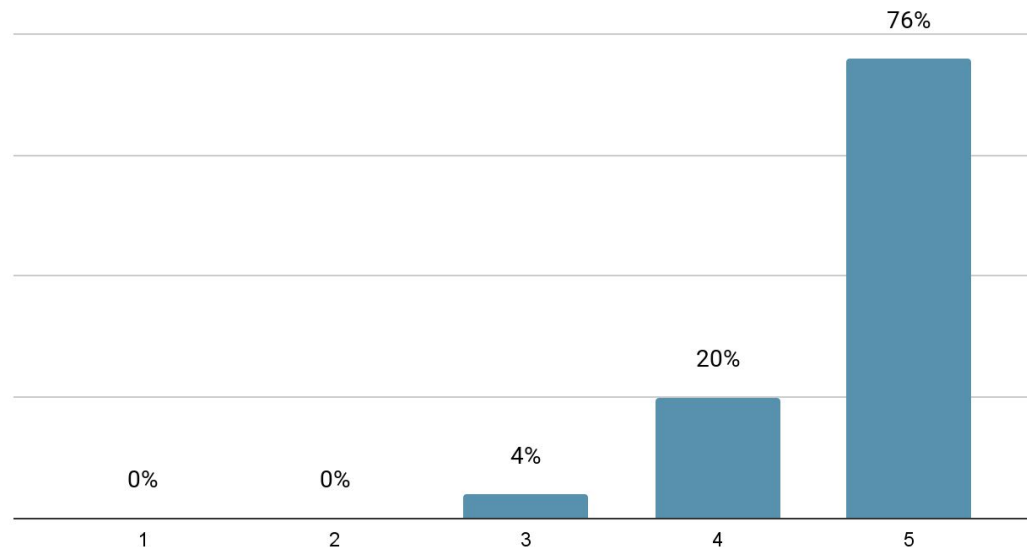
"Bus did not show 3rd week at all"

How did you feel about the overall format of the camp (start/end time, number of weeks, etc)? What worked or didn't work for your family?



## Parent Survey Results continued...

On a scale of 1-5, how would you rate the communication and professionalism of the staff?

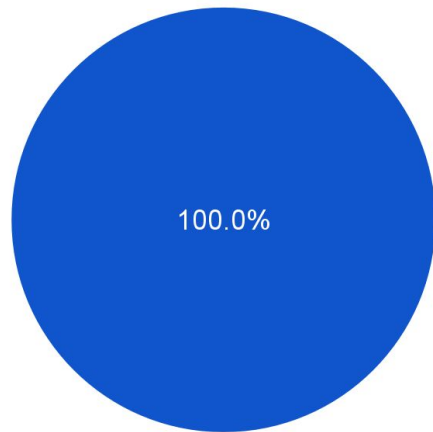




# Parent Feedback on Future Programs

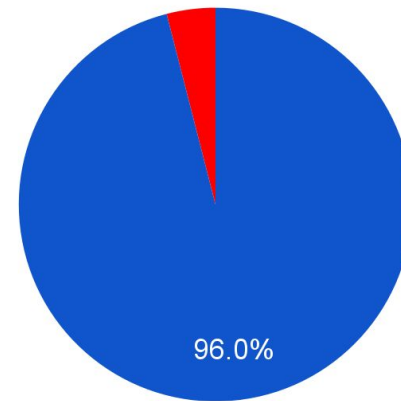
Would you sign up for future Summer STEM programs offered by Hamden Public Schools and/or CT STEM Academy?

● Yes



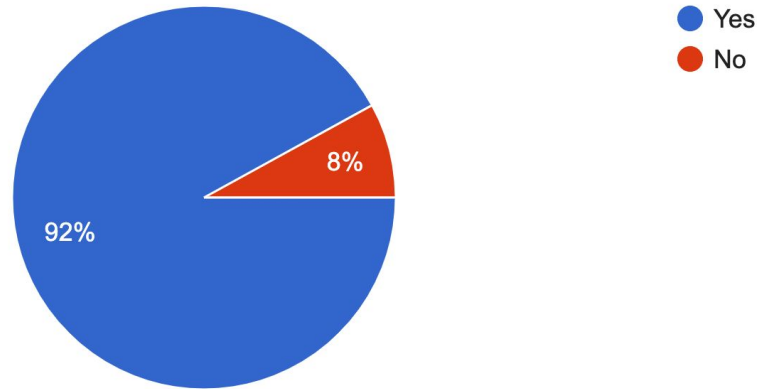
Would you sign up for School Break STEM programs offered by Hamden Public Schools and/or CT STEM Academy?

● Yes ● No



“The fact that there was a paid program in Hamden for our children was so very helpful for middle class workers finding a camp which is affordable is a major challenge! This was great for the community.”

Would your child attend an After School STEM session during the school year? This is a program for approximately 4 to 5 weeks, one day per week, after school until 5pm. We work with parents, administration, principals, teachers and PTOs to bring these events to schools.



"This would help families that can't afford after school programs."

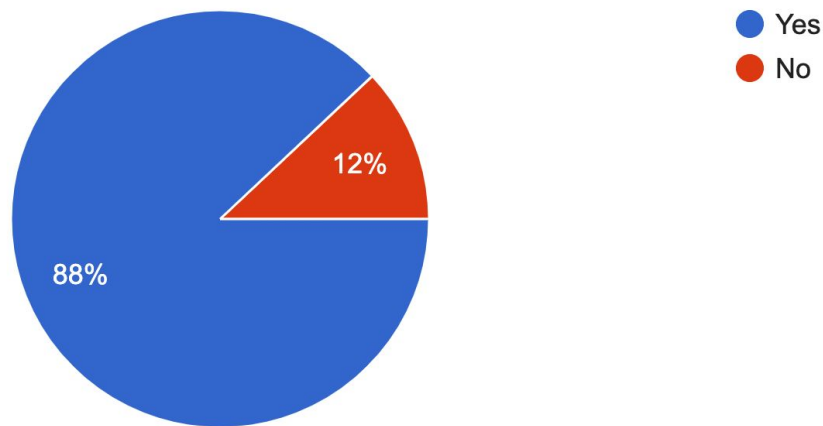
"Please allow this!"

"I would love such an idea but it won't work with my schedule over an extended period of time."

"Dunbar Hill School does a program called JEFF (just enrichment for fun) and I'm sure our PTA would love to have you as part of our curriculum."



Would your family attend a Family STEM night during the school year if offered in Hamden? This is a program with 10 to 15 hands-on stations for the entire family. This is typically one evening for 1.5 hours at a local school. We work with parents, administration principals, teachers and PTOs to bring these events to schools.



"During COVID, and with children <12 unable to be vaccinated currently, I would much prefer STEM night be done virtually or with a very limited amount of people attending."

"The only reason we would most likely not attend is evenings are challenging with one parent back in school at night."

"We would most definitely be there to cheer on all of the STEM students and their amazing educators!"



## Parent Testimonials continued...

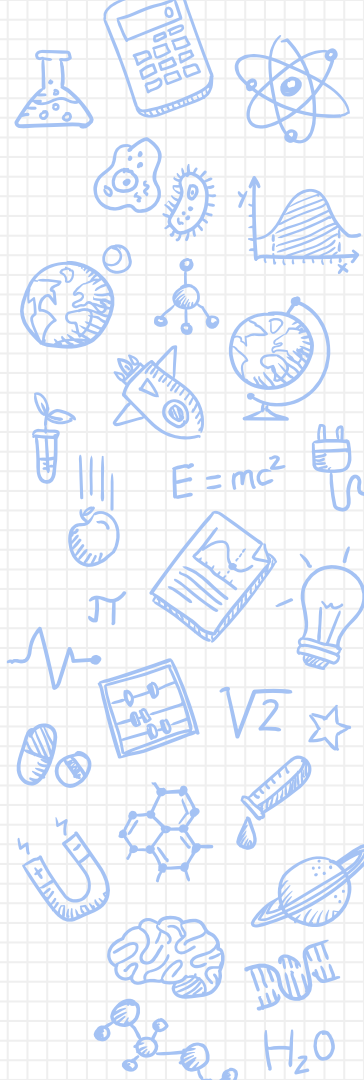
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“Mikey truly enjoyed this program and the interaction with staff he had fun every day actually woke up early without being told to get ready for camp Mikey looked forward to camp daily and enjoyed it very much!”

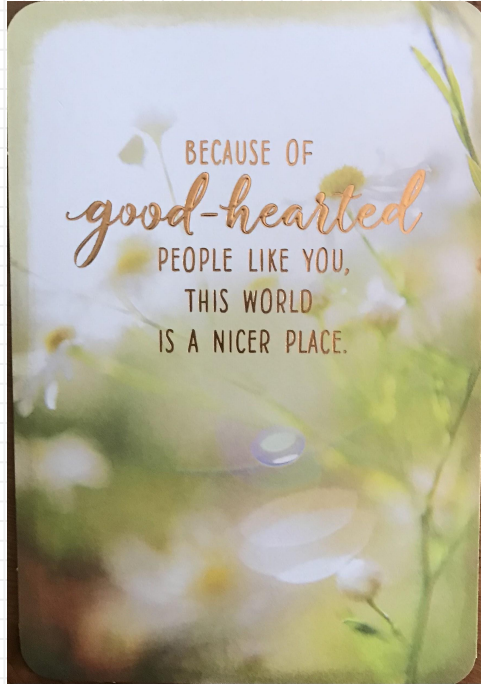
Thank you so much for providing an enjoyable and educational camp. My daughter loved it! After the first day, she couldn't wait to go back the next day. Initially, we had signed her up for one week but because, she wanted to go back, we signed her up for another one.

The counselors have been very helpful and friendly.

Well done for a very successful camp!

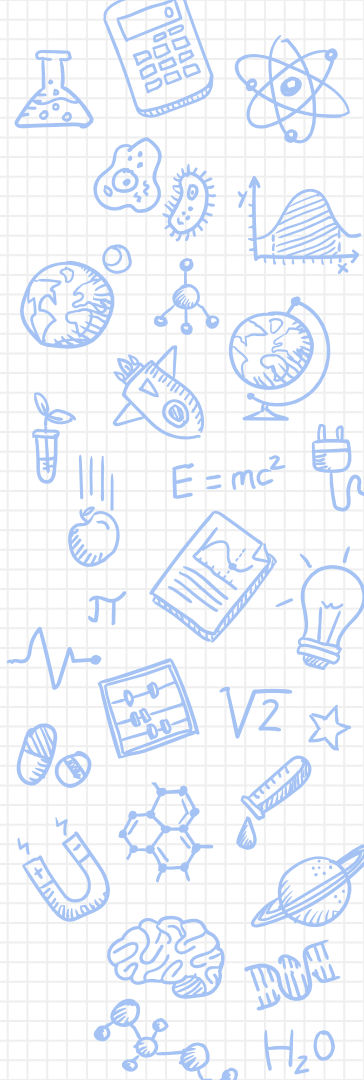


## Parent Testimonials continued...



Superb. Thank you  
also for being so kind  
and caring towards  
Michael and fellow  
campers. You guys  
are the BEST!!  
Very Sincerely,  
Kathleen Carter  
(Michael's Mom) 😊

August 13, 2021  
Dear S.T.E.M. Staff,  
★ ★ ★ ★ ★  
I hope all the  
good you <sup>all</sup> do  
comes back to you.  
Thank you for two  
fabulous weeks of  
S.T.E.M. camp! Michael  
has thoroughly enjoyed  
every minute. The lessons  
and activities were ~



I learned a lot from the campers and what interests them in STEM. The campers loved Robotics, Rocketry and more.

I think the Mindfulness was amazing. You can connect it in your own way. It made me realize that if I don't take life day by day, you'll miss the small, but important, things in life.

This camp has taught me to have patience. It has also taught me how to cope with kids better and adjust to their manner and behavior.





Mountain Mist Field Trip  
& Nature Hike



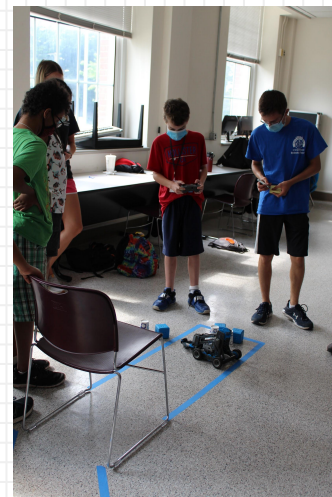
## Mt. Mist STEM Classroom



## Contraptions



# VEX IQ CHALLENGE





# Mindfulness.

Mindfulness is being aware ...being present in the moment

Mindfulness means paying attention to something.

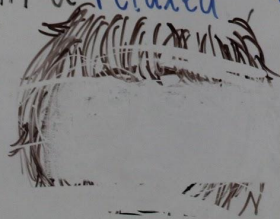
It means slowing down to really notice what you are doing

Being Mindful is the opposite of rushing or multitasking

When you are Mindful you are taking your time

You are focused in a relaxed easy way.

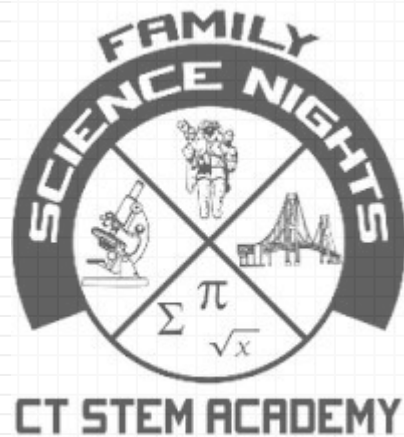
Kiss  
us  
here



Self Regulation  
Understanding and controlling my emotions

AFFIRMATION





**Thank you for this  
opportunity to be a part of  
the Hamden Community!**

**We are happy to answer  
any questions.**