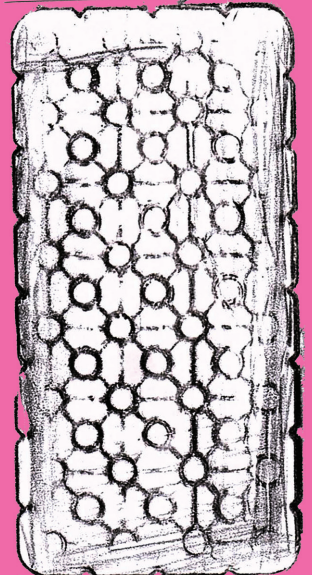
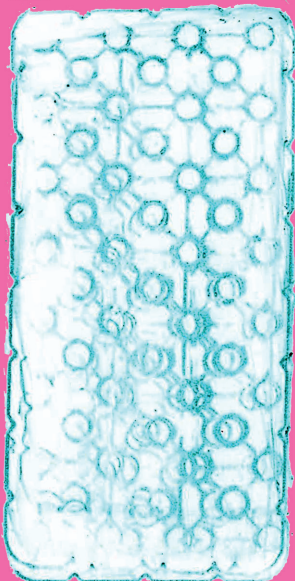
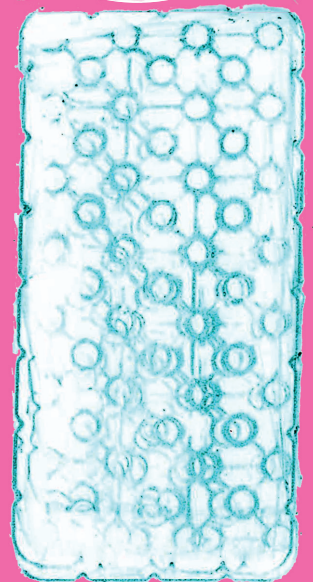
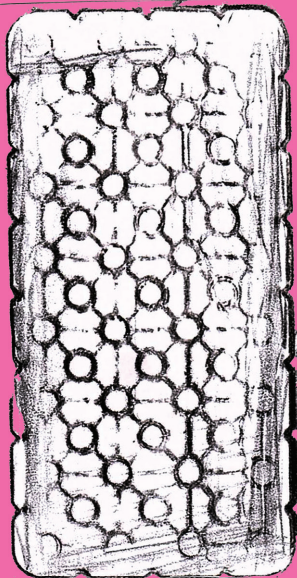
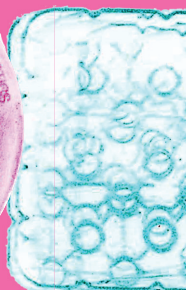


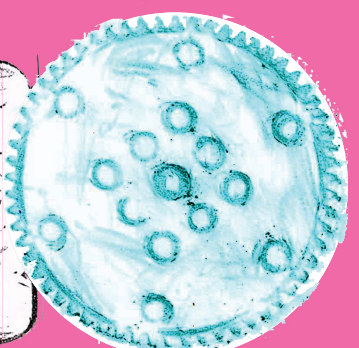
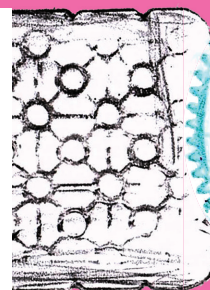
BUTTERFLYBOTICS



A Girl Powered
VEX IQ Fairytale



146 H



Once Upon A Time

In a big ocean in the big world there were some tiny islands.
One of the tiny islands was Oahu.

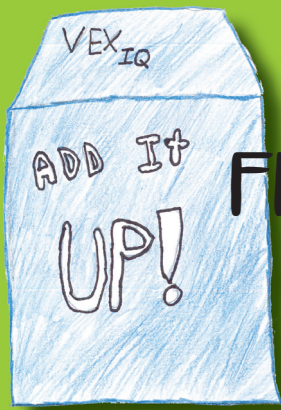


On Oahu there was a tiny school named Huakailani School for Girls and in this tiny school there was a tiny robotics team that got bigger and bigger until it was 12 people!



They named their team **BUTTERFLYBOTICS** because they raised butterflies and their school mascot was the Monarch Butterfly.



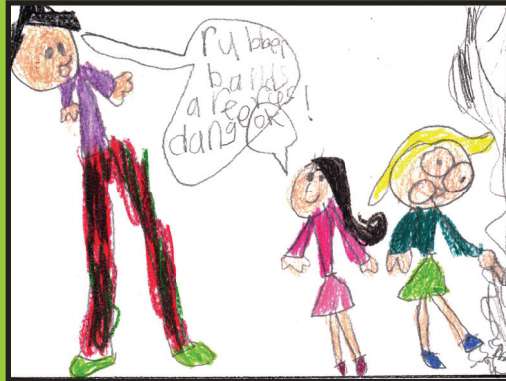


FIRST CHALLENGE:

Add It Up - Cinderella



There were many problems with our robot to be honest, but we did not know how to fix them.



An instructor from another school came in to help us as sometimes our gear was smoking. He warned us about the use of rubber bands.



He taught us some flaws in the placement of construction pieces. We learned about the importance of spacing between pieces.



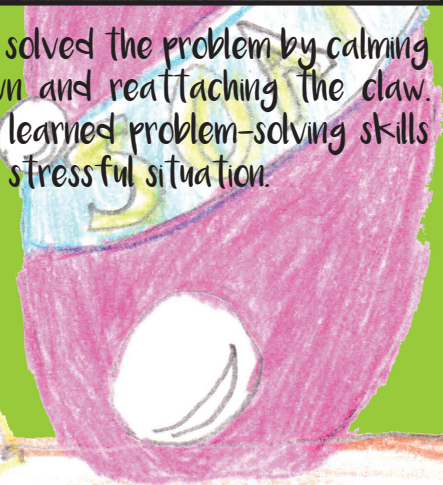
When pieces are too close to each other the robot may not function properly. This can also cause an unsolvable problem. Today I can relate friendships to the spacing of these pieces.

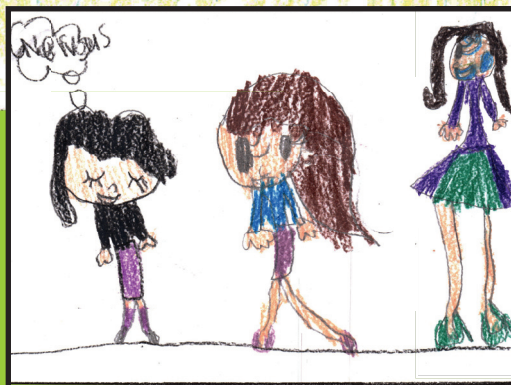


One time the claw fell off in the middle of a tournament and we were panicking.



We solved the problem by calming down and reattaching the claw. We learned problem-solving skills in a stressful situation.





We made it to Anaheim, CA for the worldwide championship. We were scared and excited at the same time.



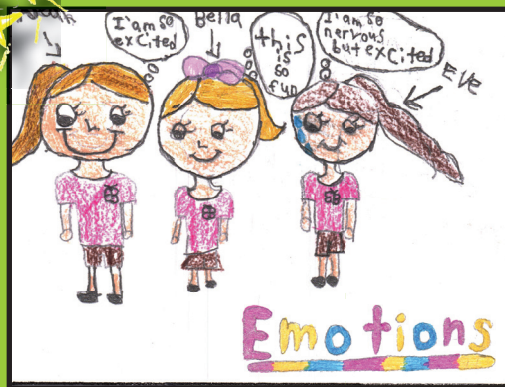
After the matches were done, we started to pack our tools, robot, decorations, etc. because we were 99% sure we didn't make it to the top 20.



A robotics team from Hawaii at the next table told us Congratulations - you made it to the top 20! We sprinted back to the stadium and saw our team name on a gigantic screen.



The best part was going to Disneyland right after, wearing the biggest smiles on our faces!

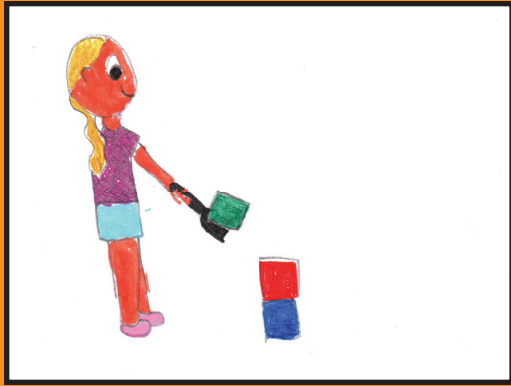


There was only one team member left for the summer games in Honolulu, so third and fourth graders joined the team.



We won the Design Award and that was the end of Add It Up. School started and the new challenge was High Rise.

HIGH RISE



HIGH RISE CHALLENGE: The Tortoise & the Hare

In this season people underestimated us like in the story The Tortoise and the Hare. To begin, we pretended to be the robot with a spatulas in our hands to plan our robot building strategy.



Because we do not have a high scoring robot, other teams can be unhappy to be paired with us. This makes us feel sad.

146H WINS
the Design
Award!



That motivated us
to improve our robot.



WHEN WE COULD WIN THE
DESIGN AWARD BECAUSE OUR
COACH DIDN'T BUILD THE ROBOT.



The reason we compared our season with The Tortoise and the Hare is because we feel like we were the tortoise and the other teams were the hare. They had a lot of coaches to help them and we didn't. We do it all ourselves without complex or cloned robots.

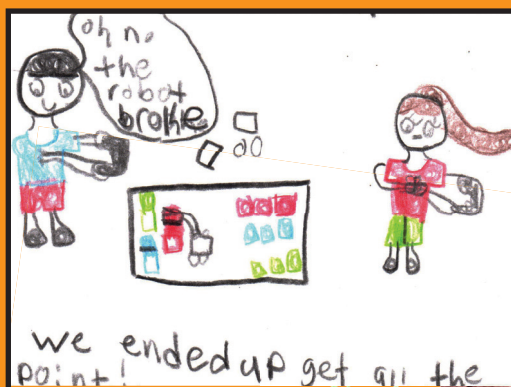


We ended up going to Worlds and we didn't feel out of place there. We were not the best but we always try our best no matter what happens.

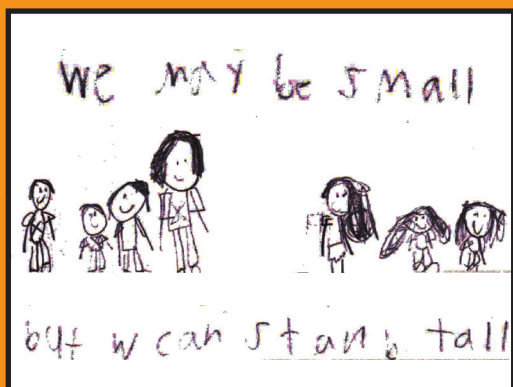
Some teams were mean to us, but we did not take it personally and didn't give up.



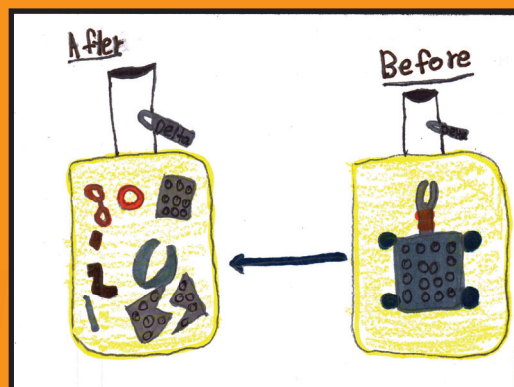
One Chinese team at worlds said 'just sit there and we will do the rest.'



At the match, their robot fell apart and we scored all the points.



Just like the tortoise and the hare, we think that we improved a lot from the beginning of High Rise. Teams still underestimate us, but we are very proud of ourselves.



On the plane back from Worlds, Delta Airlines completely destroyed our robot. We were sad, but glad that it was on the way back, not going. It inspired us to make a new robot for Bank Shot!

Coming back from Worlds when we opened our suitcase we felt like the clock had struck 12:00. Our beautiful Carriage had turned back into a pumpkin.



BANK SHOT:

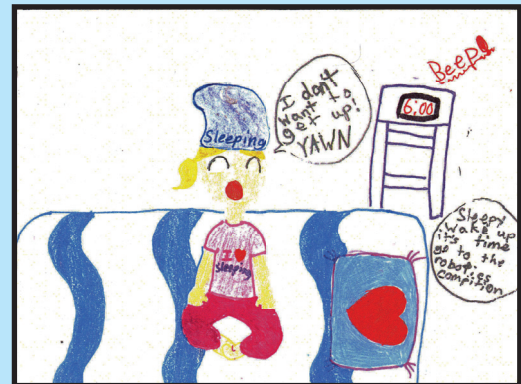
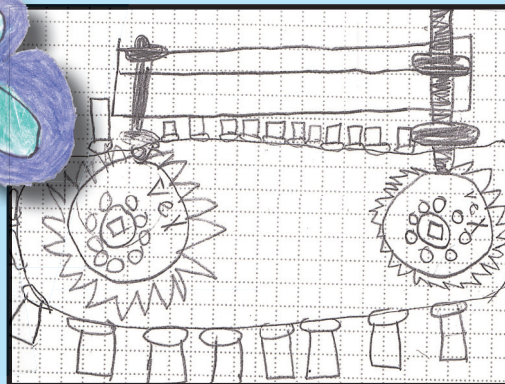
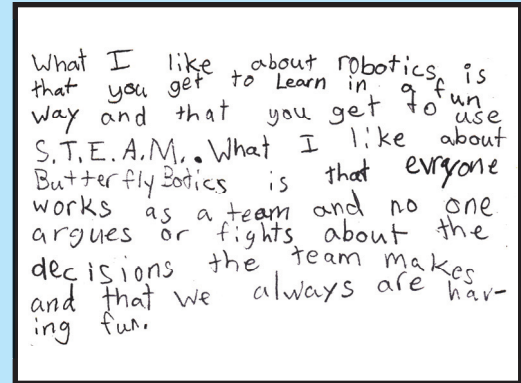
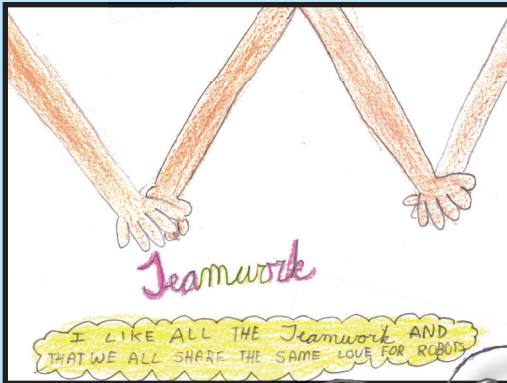
Snow White & the Seven Dwarfs



Snow White & the Seven Dwarfs reminds us of our Butterflybotics team because we work really hard together figuring out problems, creating solutions, and compromising on different ideas for our robot.

Meet our coach. She is like Snow White because she's helpful, supportive, kind, friendly, and caring.

Snow White gives the Seven Dwarfs Oreo cookies to keep us **ENERGIZED!**



Everyone works as a team and no one fights about the decisions the team makes. We are always having fun. We like teamwork and we share the same love for robots. We can trust our teammates even if something goes wrong.

All of the seven dwarfs are unique in different ways and they all have their strengths. We are all unique in different ways and can all contribute different opinions and perceptions to make the robot **OUTSTANDING!**



Sneezy



We sneeze every time we see a cloned robot. This season, we made two robots but they were totally different.

Once we lost the engineering notebook pages and were really stressed out. Two hours later we found them!



Dopey



Sometimes we get nervous driving, especially in the last ten seconds!

grumpy



Sometimes we argue with each other.

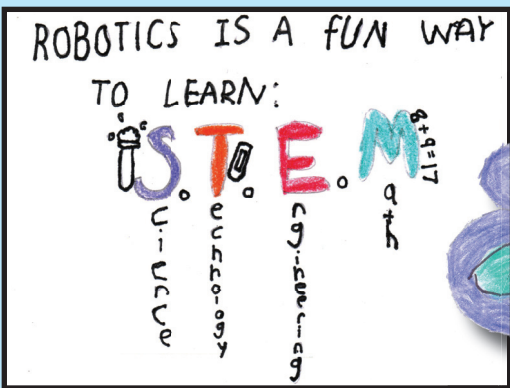


bashful



When me and another teammate had a conflict, sometimes conflicts are between people and they normally start from ideas or bossiness.

In Bank Shot our STEM project was researching butterflies. We raised and released Monarch butterflies.



Happy



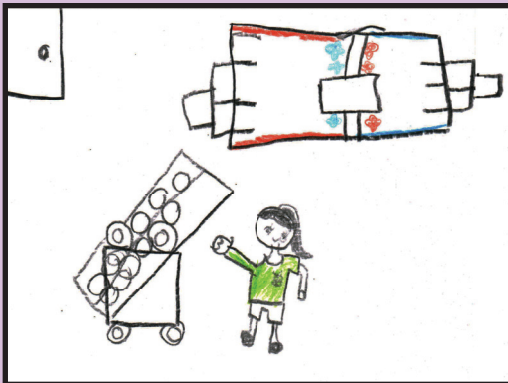
This season our awards were Design, Excellence, Judges, and STEM.





CROSSOVER CHALLENGE:

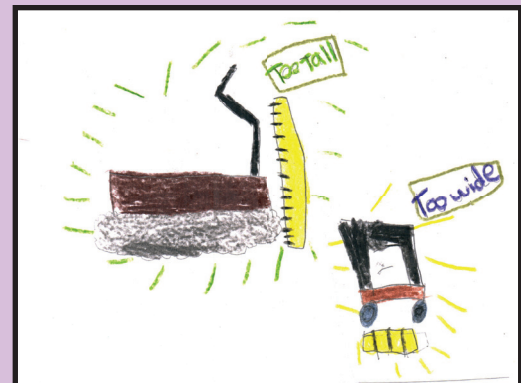
The Little Engine That Could



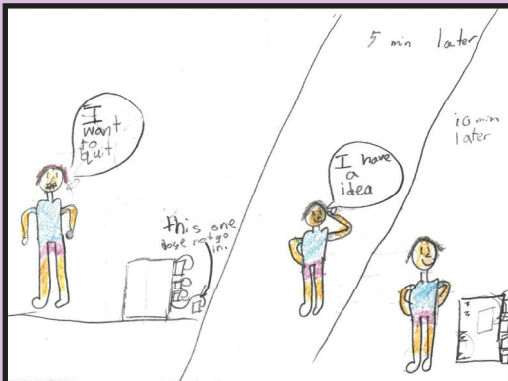
At one Crossover Tournament we went to the inspection table. We told the inspection person our team number.



We showed the judge our robot and he said that when we lifted our intake, it was too long. We could have given up but we chose to go with just the drive train.



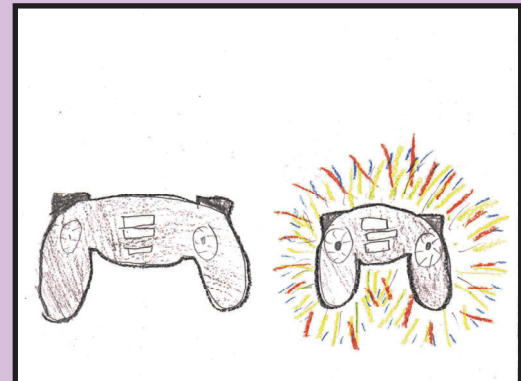
Sometimes when there is a time constraint it makes you want to give up. Instead we decided to fix the problem and move forward.



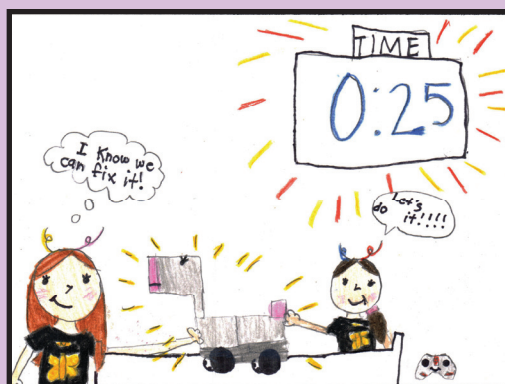
As a result our robot kept falling apart, but we kept going and rebuilt it. Every time we fixed our robot, it kept falling apart. This affected us in programming skills and matches.



We could have given up, but we didn't. Even our other robot had problems with its controller. Instead of giving up, we found that if you hit the remote it would work for a little while.



That got us through the match. Moral of the story ... always bring an extra controller!



BUTTERFLY BOTICS



In tough situations
even though it's easier to just give up,
we stay positive and just keep chugging forward.

With "GIRL POWER" there is no "I don't think I can," there is only
"I think I can." Just like the tortoise we persevered when we were
small and low scoring. Not at all like the high-scoring hares.

And we learned that even when you are small you can always
find a way to stand tall. Slow and steady wins the race.

Like Cinderella we dealt with unexpected
robot problems, but we learned that
when you are true to yourself,
good things happen.

With all the skills we learned
and the problems we faced, we know
that we have the ability to overcome
anything and we know that this season will end in a

HAPPILY EVER AFTER



GIRL

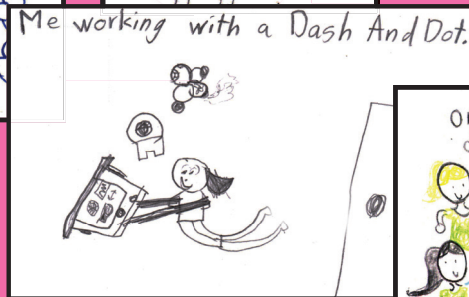
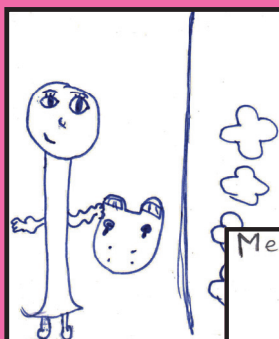
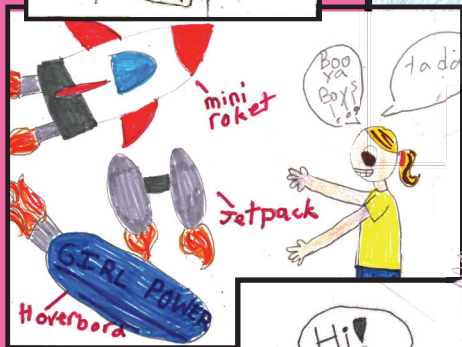
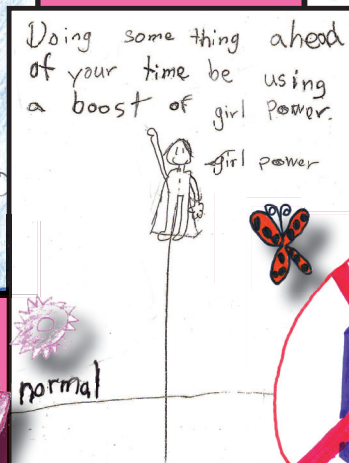
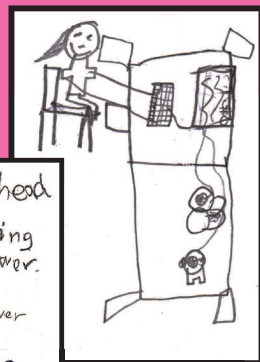


POWER

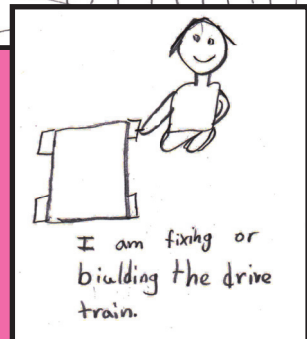


Add it up

Cross over



Botics



Extra Thanks to:
Ms. Lynda * Ms. Tammy * Ms. Angeles * Mrs. Brown * Keiko Sensei * Haley * Lucy * Brook * Brooke