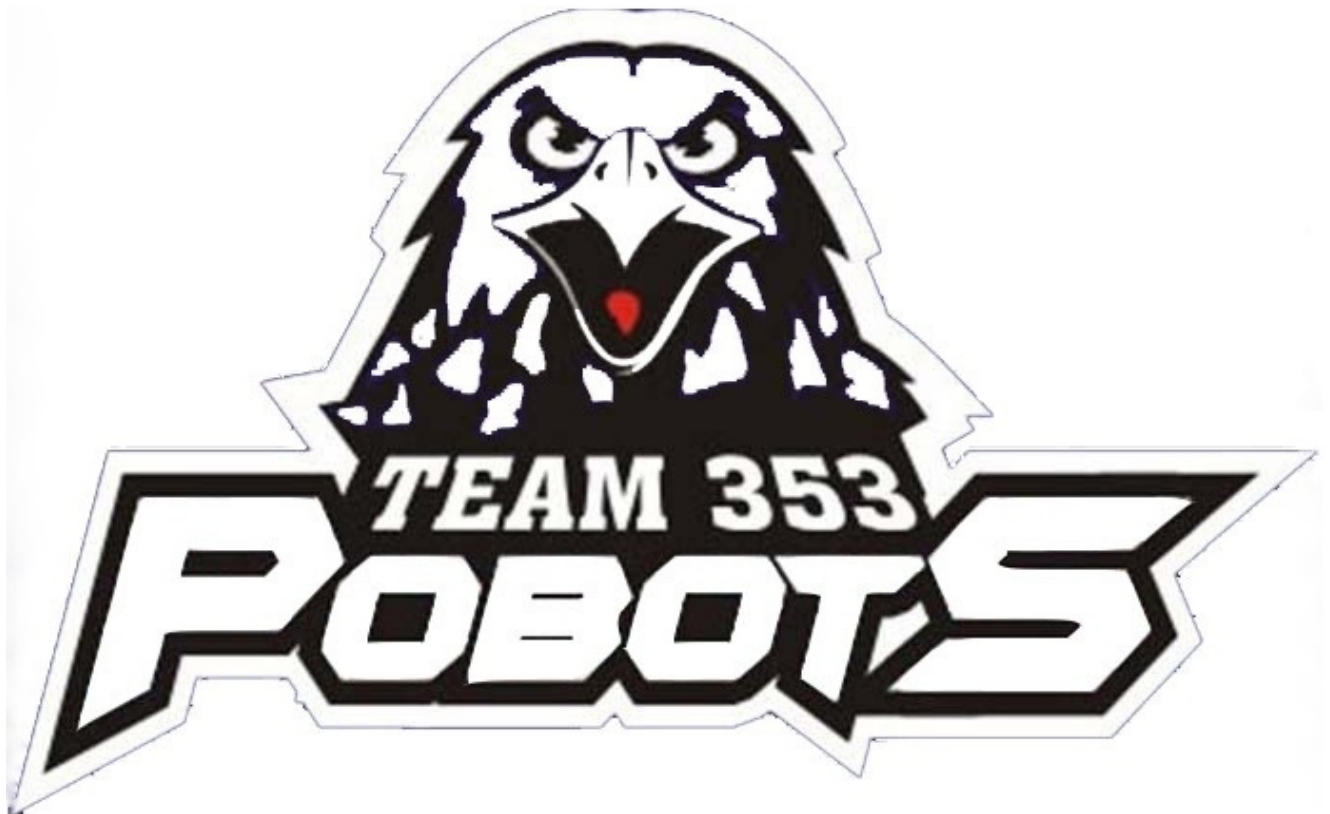


# FIRST Team 353 The POBots STEM is FUN! Activity Book

Who are we? Who are we?  
We are Team 353!  
What do we do? What do we do?  
**Engineering's What We Do!**



For more information about the POBots, and to download a copy of this ***STEM is FUN! Activity Book*** and our ***STEM is FUN! Do It Yourself! Manual***, please visit: [www.POBots.com](http://www.POBots.com).

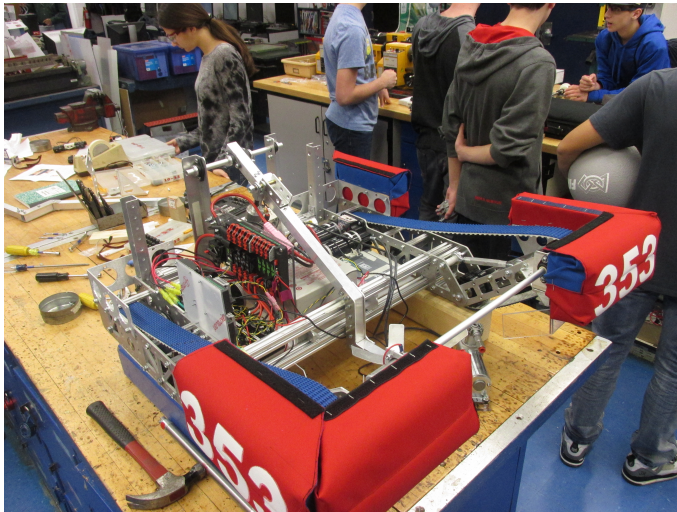
For more information about SBPLI School-Business Partnerships of Long Island, Inc., please visit: <http://www.sbpli-lifirst.com>

For more information about FIRST Robotics, please visit: <http://www.firstinspires.org/>

If you would like more information about how the POBots can help your Boy or Girl Scout Troop, school or community launch a ***STEM is FUN! Activity Night***, please email: [STEMISFUN@POBots.com](mailto:STEMISFUN@POBots.com) and put "STEM is FUN" in the subject line.

# Meet the POBots' Robot, **Excalibur!**

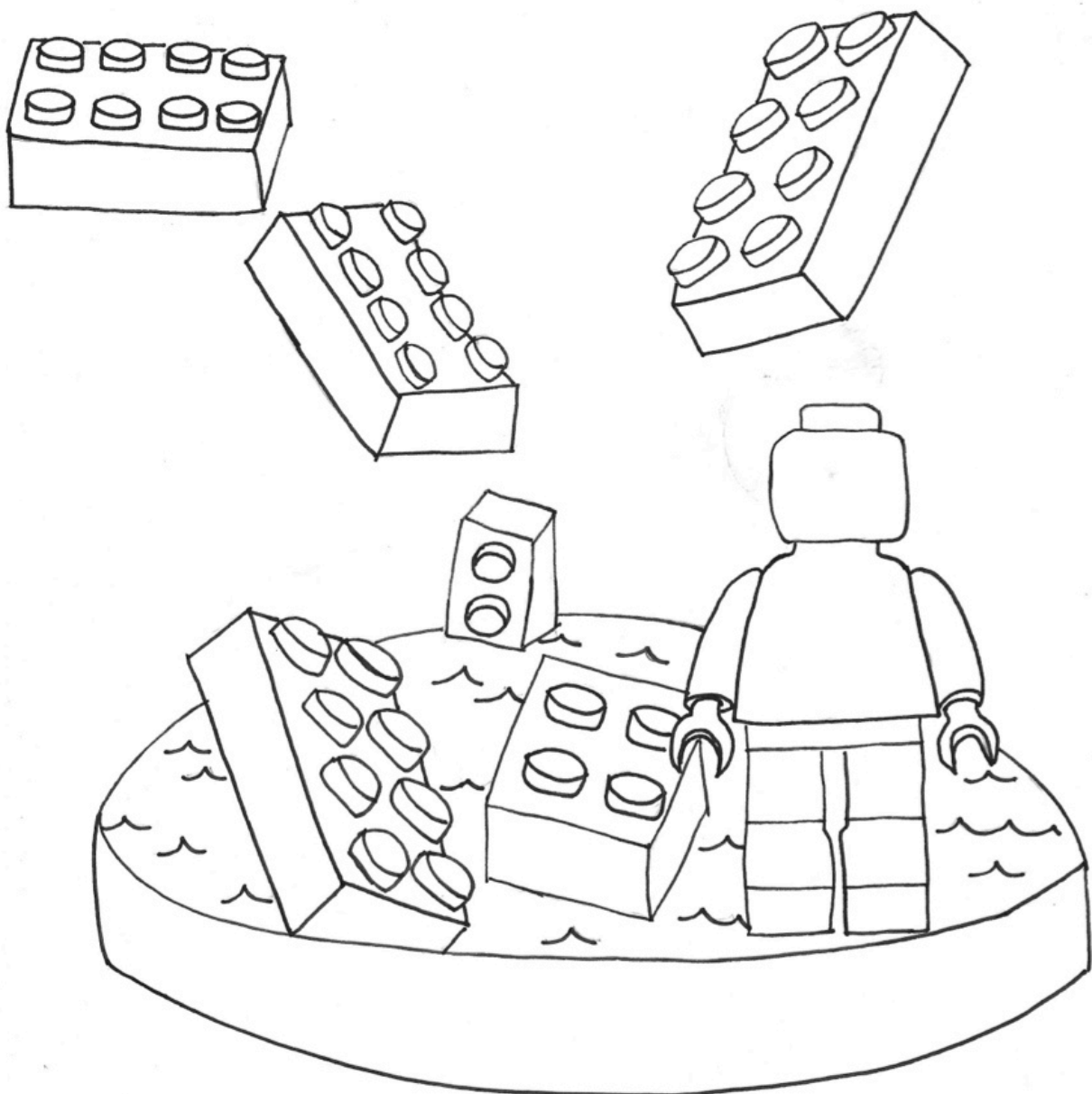
**Excalibur!** is this year's robot. He is amazing! He has a **Catapult** that launches a "Boulder" (foam ball) into the Castle. He can also **Cross the Moat, Scale the Rock Wall** and **Climb the Ramparts**. Go **Excalibur!**



Draw your own robot!  
What is your robot's name?  
What can your robot do?

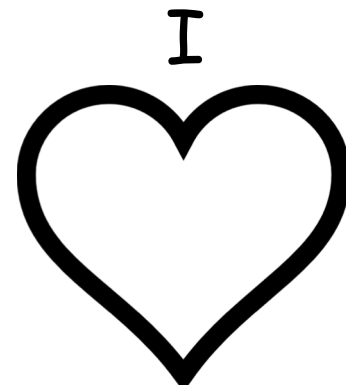
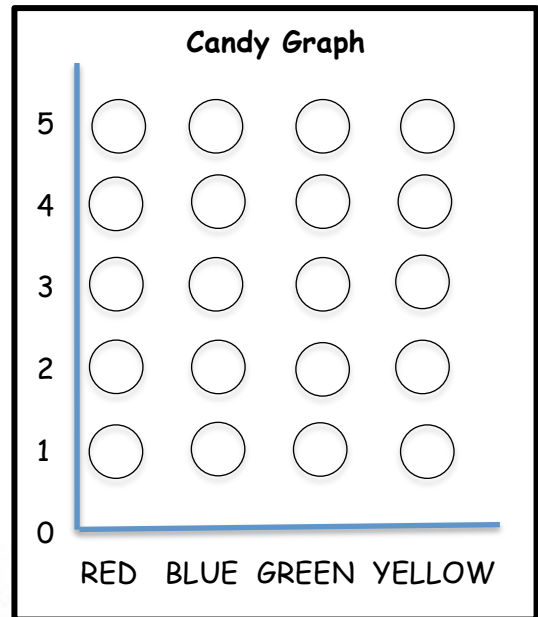
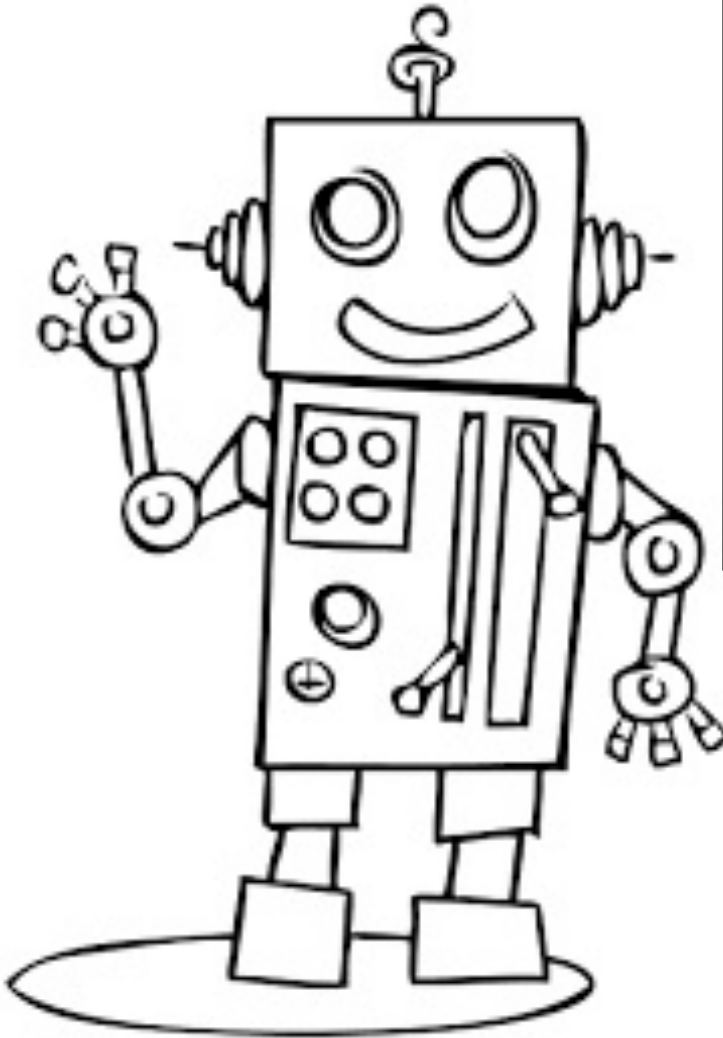
## Engineering Awareness Night 2015 - STEM is FUN! Galore

The POBots hosted their 8th Annual Engineering Awareness Night for kids throughout the Plainview-Old Bethpage school district. Kids and Parents were able to drive our FRC and Vex Robots as well as learn about STEM by playing in the **Swimming Pool of Legos**, racing paper airplanes, stacking cups more than 7 feet high, making Squishy Circuits with LEDs and Play-Doh, launching parachutes in wind tubes and more!



## We love STEM!

The POBots love **STEM: Science, Technology, Engineering & Math**. And we want you to love STEM, too! This year we expanded our STEM is FUN! activities to include experiments & games for kids of all ages!



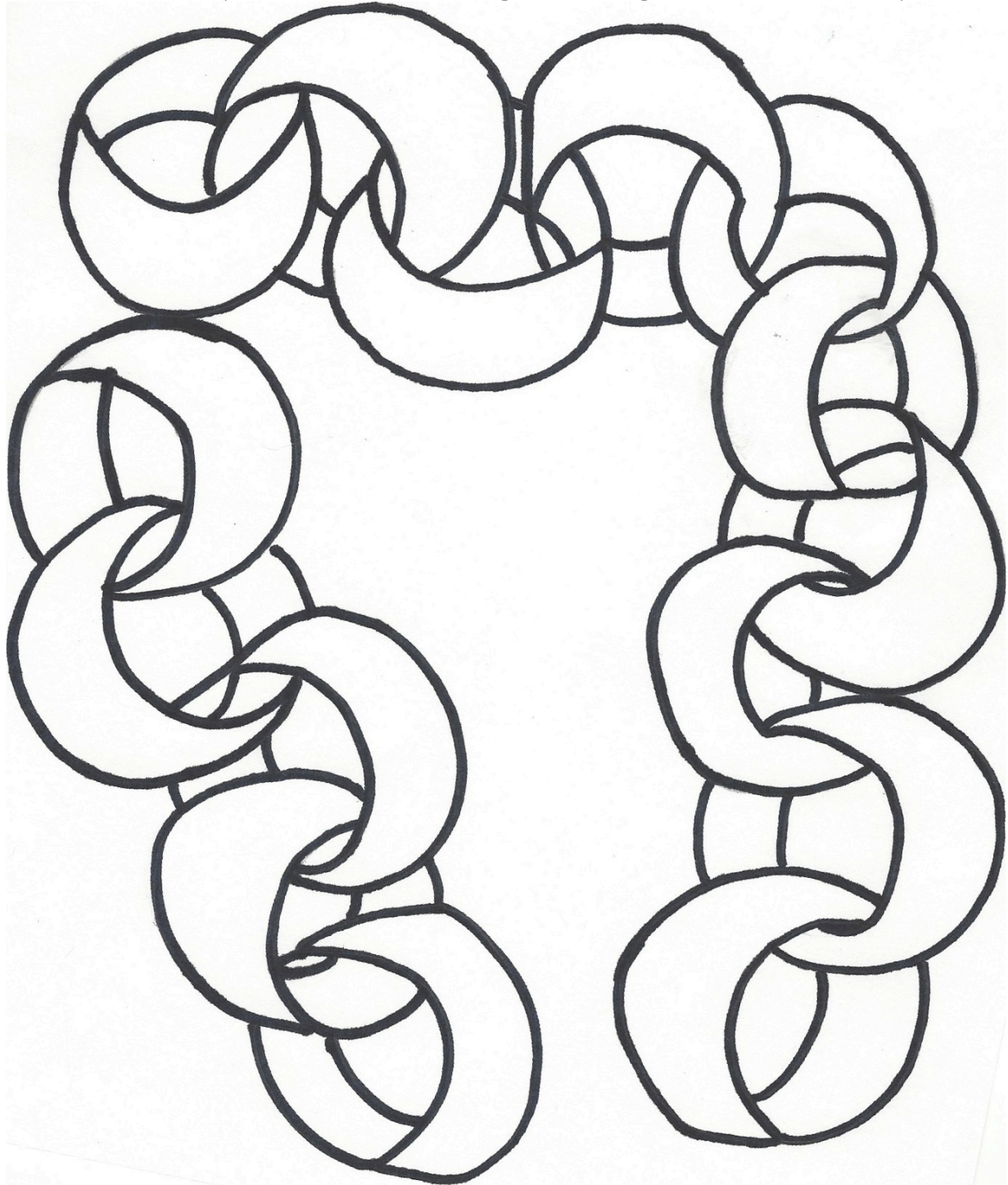
**Robots!**

### **POBots STEM is FUN! Menu: 2015-2016**

Candy Graphing \* Chutes & Ramps \* Cup Stacking \* Lots of Legos \* Flying Butterflies & Hawks \* Squishy Circuits \* Make a Robot, Take a Robot! \* Parachutes \* Robot Coloring Sheets \* Pinwheels \* Mechanical Engineering Challenges \* Count the links & play math games with the STEM is FUN! Chain



**Color our STEM is FUN! Chain!** Each link represents one kid who played with us this year. **1,449 kids enjoyed POBots' STEM is FUN! this year.** Our STEM is FUN! chain is 225 feet long! That's longer than 36 beds lined up head to foot! Imagine having 36 kids at a sleep over!



**FIRST means helping others.** This year, the POBots donated several cars full of clothing and toys to grandchildren being raised by their grandparents in the South Bronx, gave games, drawstring bags and POBots pins to an after-school program in Belfast, Maine and made 6,000 Rainbow Ribbons to support National Coming Out Day activities on Long Island.

**How do you help other people?**

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**Draw a Picture of You Helping Other People**

## **Our Mentors - We Couldn't do it Without Them!**

A mentor is someone who teaches you and helps you learn new things. A mentor is someone you admire. In FIRST Robotics, our mentors teach us how to build robots, how to work as a team, and help us have fun!

Who is someone who helps you and teaches you? Someone you admire? Write that person's name here:

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Why is this person your mentor?

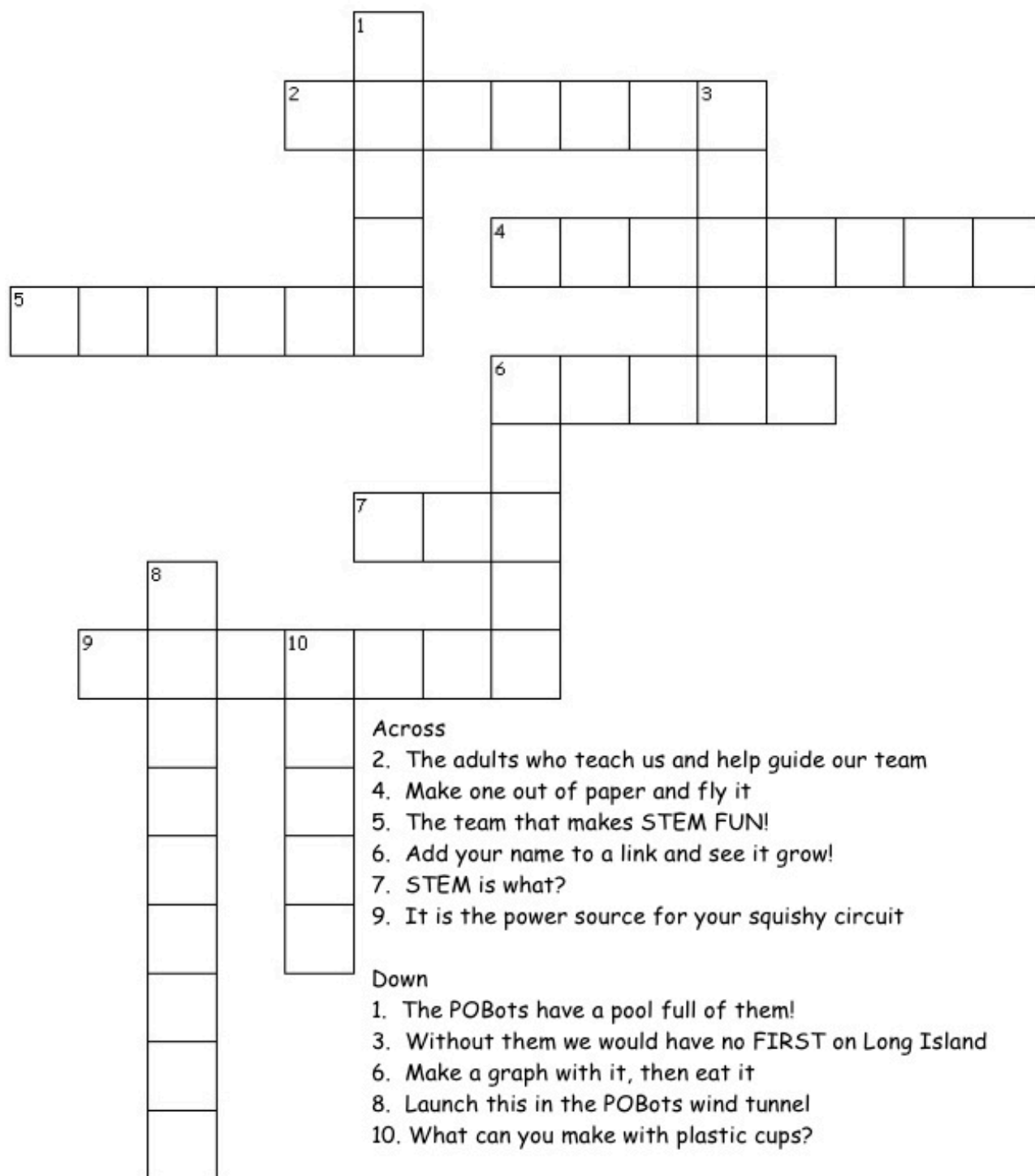
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Draw a picture of your mentor. Then show the picture to your mentor and say, "Thank you for helping me!"



# FIRST is FUN Crossword Puzzle



## Across

2. The adults who teach us and help guide our team
4. Make one out of paper and fly it
5. The team that makes STEM FUN!
6. Add your name to a link and see it grow!
7. STEM is what?
9. It is the power source for your squishy circuit

## Down

1. The POBots have a pool full of them!
3. Without them we would have no FIRST on Long Island
6. Make a graph with it, then eat it
8. Launch this in the POBots wind tunnel
10. What can you make with plastic cups?

# FIRST Robotics Word Search

L I W S Y D G P R D H R U T M E Y B T Y  
A H M A T K P E Q A K N I S X N V X C S  
U A L A U O S Q P Z V R I G L G R S Q Y  
G P P A G E B P F U N L P W W I H B C M  
H Q O X A I Y O H Y A U E S D N E I R F  
E C A R G L N Y P N F I T P J E A Y S K  
C P C L O G G A O C N R A E L E M Z B Z  
E H B O O K R I T D N G E M H R S F F S  
V F H P M Y S O M I U J R A D I P F C A  
V C E M Q S C E B E O K C E L N G J Y M  
S Z P G E W I P Q O T N V T L G N D O V  
V E B F P Z P H Y E T S R M D J V X N M  
B S O U B E X S V T C U Y R U L Y Y M I  
S R L R X T I N V E N T H K F R F T A Z  
P I U E A Y C O O P E R T I T I O N T B

COOPERTITION

FRIENDS

IMAGINATION

PROFESSIONALISM

RESEARCH

STEM

CREATE

FUN

INVENT

PLAY

ROBOT

SCHOOL

ENGINEERING

HAPPY

LAUGH

LEARN

TEAM

POBOTS

# Connect the Dots!

