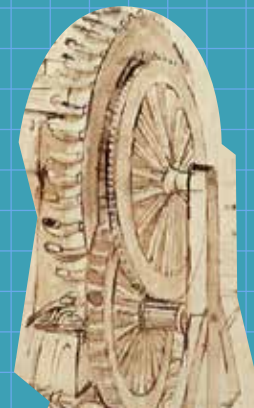


The Past is the Future

By Class 5-205 at P.S.125 The Ralph Bunche School

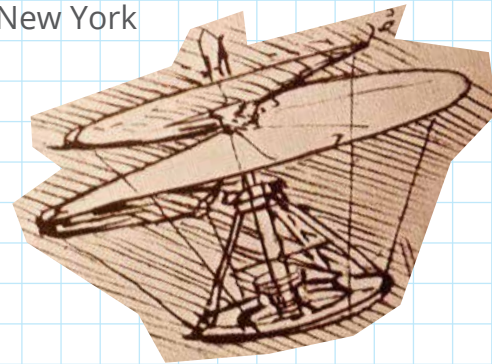
Behind the Book / New York



The Past is the Future

By Class 5-205

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Our mission is to develop engaged readers and writers in underserved NYC public schools by designing and delivering programs that are multi-disciplinary, culturally responsive, and promote deeper connections to books and their authors.

Visit us at www.behindthebook.org

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Behind the Book

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Special Thanks: To Cooper Hewitt Smithsonian Design Museum, to our devoted writing coaches from KPMG, and to our wonderful photographers Barb Korein and Brendon Cook.

In the interest of honoring student voice, Behind the Book presents students' work as received from the teacher.

This book was made possible by a generous grant from The Korein Foundation.

About the Program

Have you ever had a fantastic idea for an invention?

Class 5-205 put on their inventing caps and explored the ways that new concepts and ideas come into the world. They plunged directly into the brainstorming process -- thinking of new ways to design candy, transportation, and robots. Gilbert Ford, author of *How the Cookie Crumbled*, came to Ms. West's class to introduce students to Ruth Wakefield and her "invention" of the chocolate chip cookie. He told them about the different possible versions of the cookie's origin. The class voted on the most likely one -- that Ruth took a risk and tried adding chocolate chunks to a batch of cookies. On Gilbert's second visit, groups looked at simple inventions such as the battery, the clothespin, and the eraser. Students then made up imaginative origin stories for different inventions and presented them to the group. They had lots of juicy questions to ask Gilbert about publishing and life as a writer and artist.

Students chose the inventions that they were interested in and Behind the Book research coaches helped them find out more about these inventions and what problems the inventors overcame. During the writing session, using strategies they learned from Gilbert's visits, students generated new ideas and thought up amazing inventions. Behind the Book writing coaches helped them through the process as they developed their intriguing inventions.

Teaching artist Candice Humphries introduced students to the sketches of the master inventor and artistic genius Leonardo da Vinci. They then sketched the inventions that they had been studying and created 3-D drawings that brought their work to life. The students also took a field trip to the Cooper Hewitt Smithsonian Design Museum where they participated in a hands-on design workshop, learning the many necessary steps involved in successful design. They created posters and viewed lots of examples of cutting-edge design.

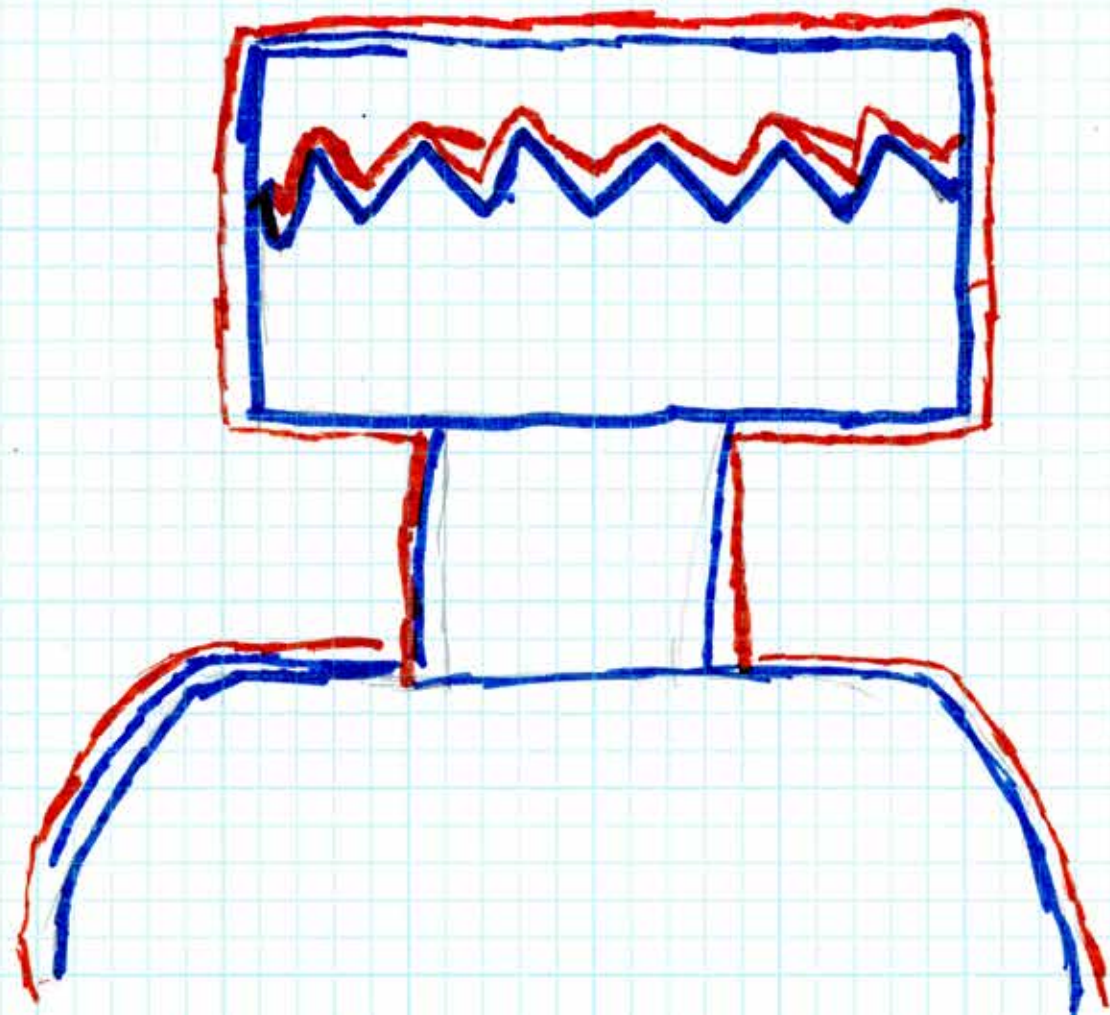
Class 5-205 hopes you enjoy their work and they will continue coming up with new ideas to change the world!



Dedication

We would like to dedicate this book to our Mothers, Fathers, family, friends, Mrs. Shakira and to Behind the Book for supporting our creative minds, helping us with ELA, and sharing our inventions.

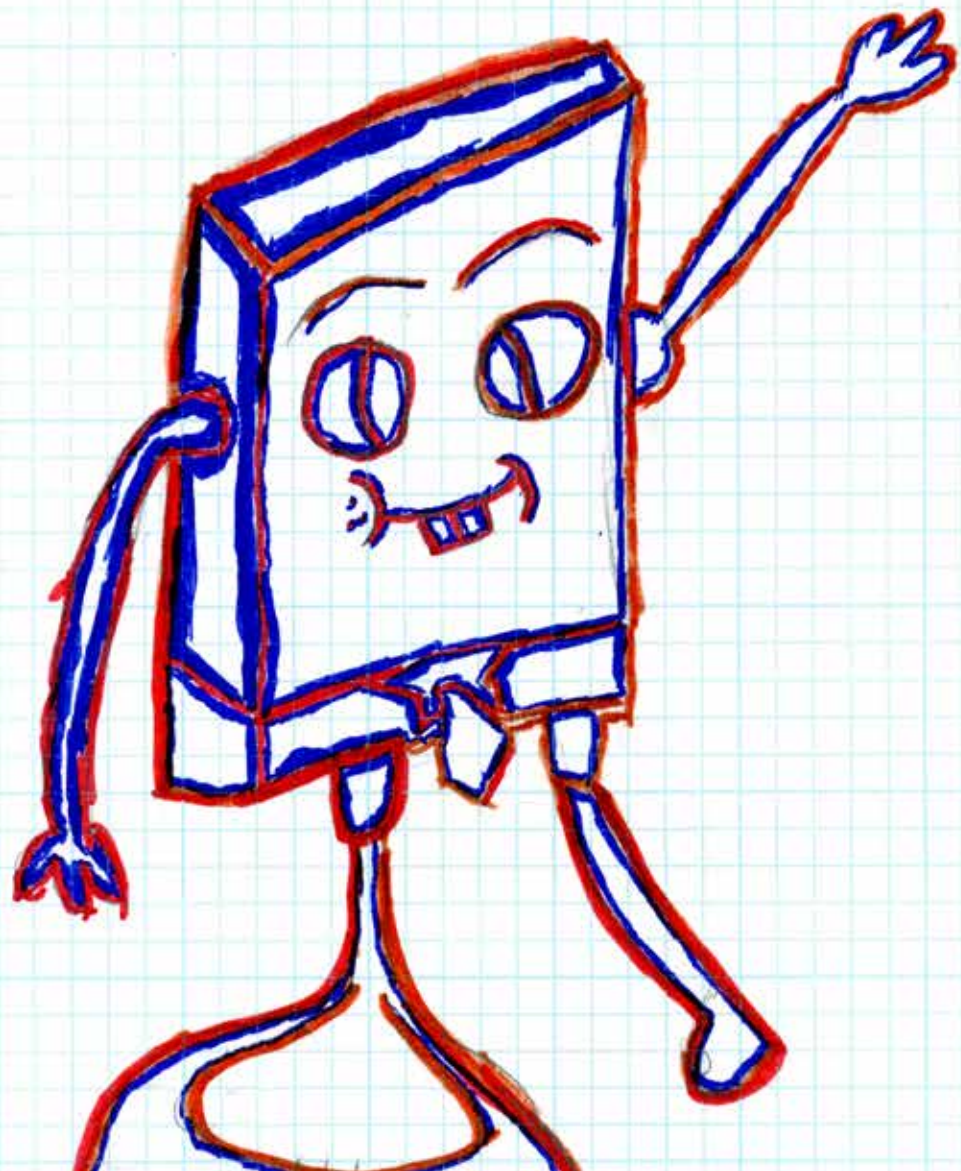




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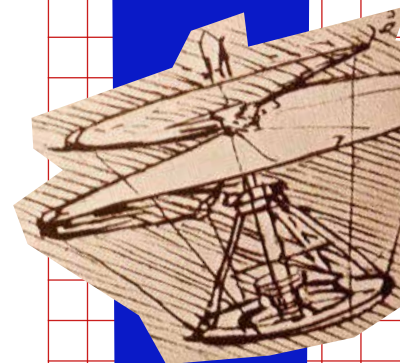
bring Spongebob to life

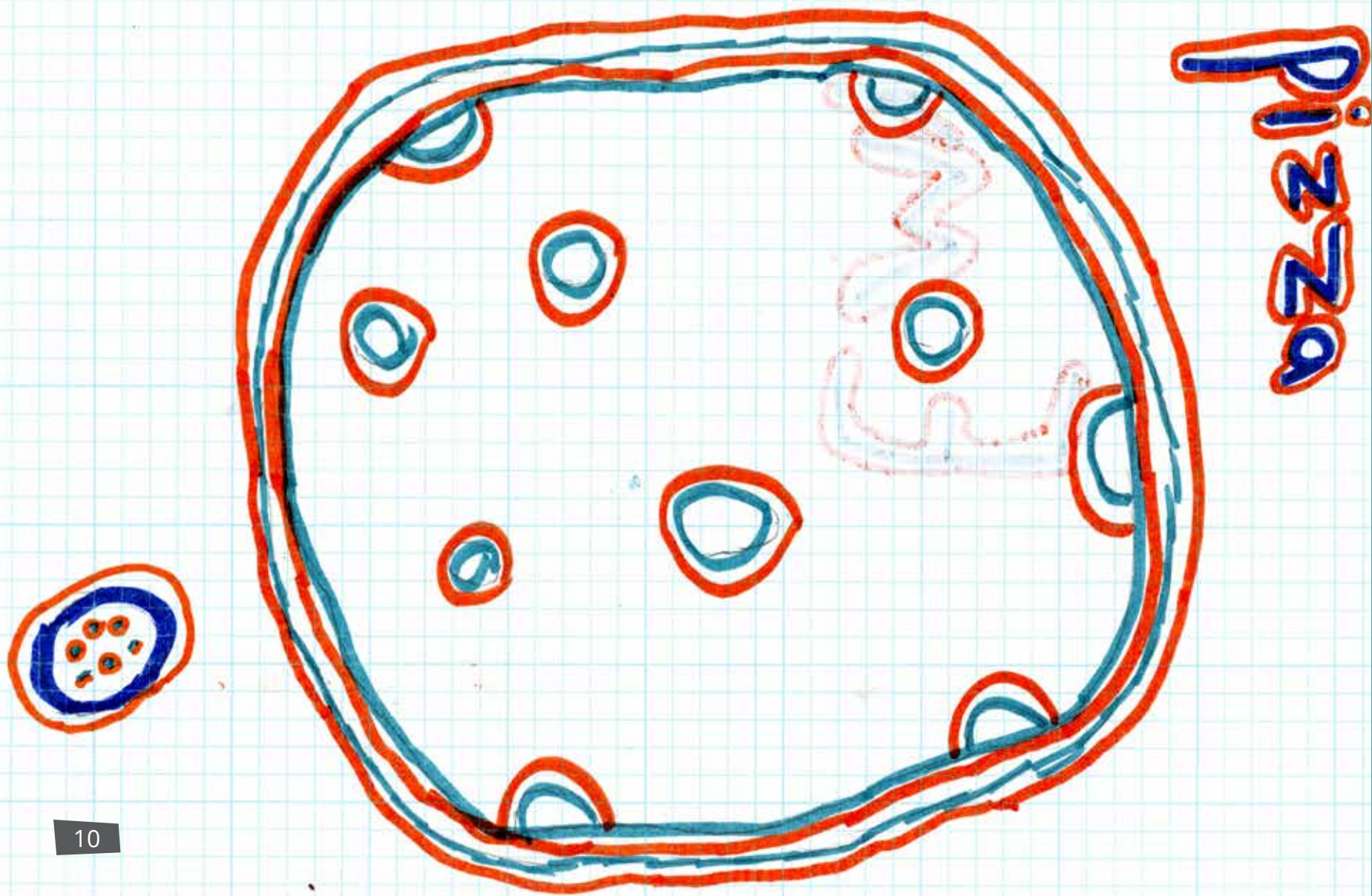


The invention I researched was the knitting machine. This was invented by a Englishman in 1589, England. This invention was important because people need clothes to stay warm. Inventors need to be dependable and be determined in order to bring their ideas to life. One question I would like to ask this inventor is, What made you want to make a knitting machine?

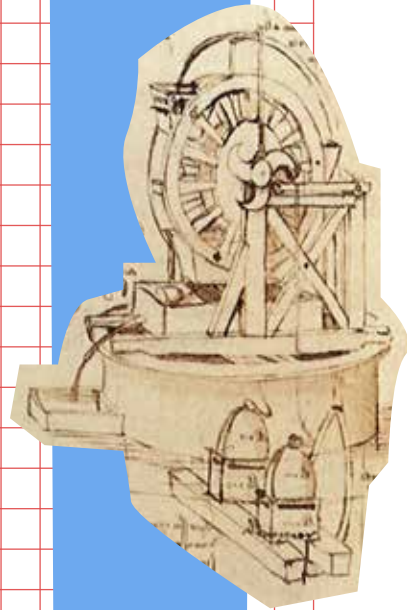
The new invention I will create is a super knitting machine. This will help people to make them feel warm and make them feel nice. I will make my invention out of mechanics. These are some steps I would take to make my invention: Step 1. get my materials, Step 2. put it together, Step 3. getting the idea I want to make, Step 4. test out my idea, step 5. then I do it the real way. One difficult part of making my invention will be finding the materials. I can ask my friends for help if I get stuck.

If I could invent something from my imagination, I would invent and make a spray paint machine. My fantastic invention would look like a spray but without the bottle and can have multiple colors in it. I would use my fantastic invention to make a picture to send it to the Natural History museum.





The invention I researched was pizza. This invention was made by Raffaele Esposito in 1889 in Italy. This invention was important because it was for King Umberto and for Queen Margherita. Inventors need to be smart and creative in order to bring their ideas to life. One question I would like to ask this inventor is, why did he make a pizza pie for the Queen and King? The new invention I will create is pizza with Doritos. This will help people to try something new, and I think pizza and Doritos taste good together. I will make my invention out of cheese, Doritos, dough, and sauce. These are some steps I would take to make my invention. Step one, go to the shop. Step 2, make the dough into a pizza shape. Step 3, put sauce on the dough. Step 4, put cheese on the pizza and melt it. Step 5, put the Doritos on the pizza and eat it. One difficult part of making my invention is putting the pizza in the oven. I can ask my mom or my dad for help if I get stuck. If I could invent something from my imagination, I would invent a rainbow cookie. I would use my fantastic invention to make people happy when they're sad or mad.

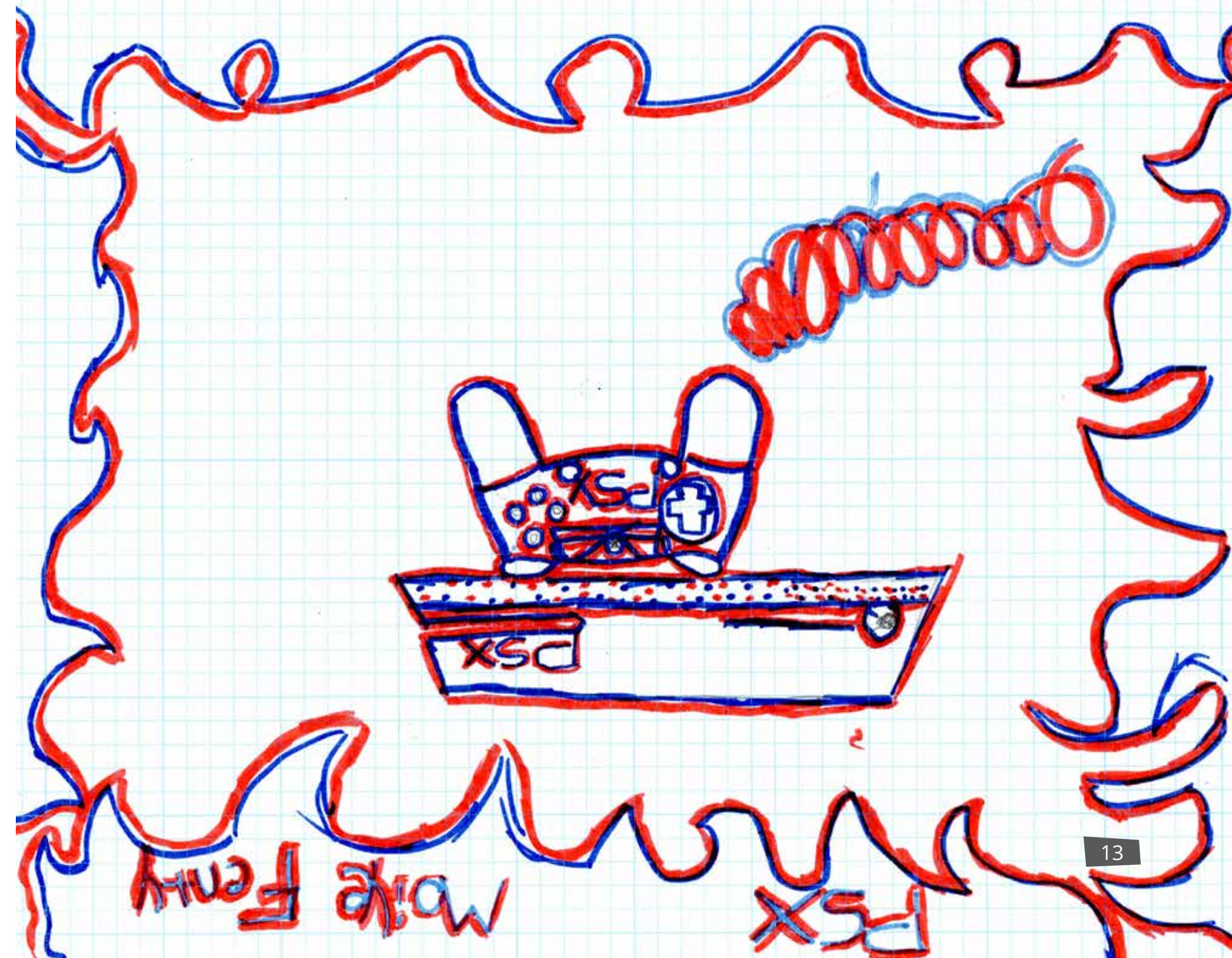


The invention I researched was the PS4 and Xbox. This was invented by Microsoft and Sony in 2017 and made in Silicon Valley. This was important because people can play online with people at home to have fun. Inventors need to be smart and creative. A question I would like to ask this inventor is, when will you make the PlayStation 5?

The new invention I will create is a PSX. This will help people to add your PSX account to any other console like Nintendo Switch, Xbox, and Phone. I will make my invention out of PS4 and Xbox mixed together.

These are some steps I would take to make my invention: I need a PS4, Xbox (take the wires from both console and connect). Next, I gather the parts and reassemble together. Last step is to plug it in and enjoy. One difficult part of making my invention will be taking out the wires and reassembling it together, but I can ask my big brother for help.

If I could invent something from my imagination I would invent a Portal gun. My fantastic invention would look like a Big Water Gun with a pump to see where your going and a plastic bottle with green stuff in it to make the Portal.

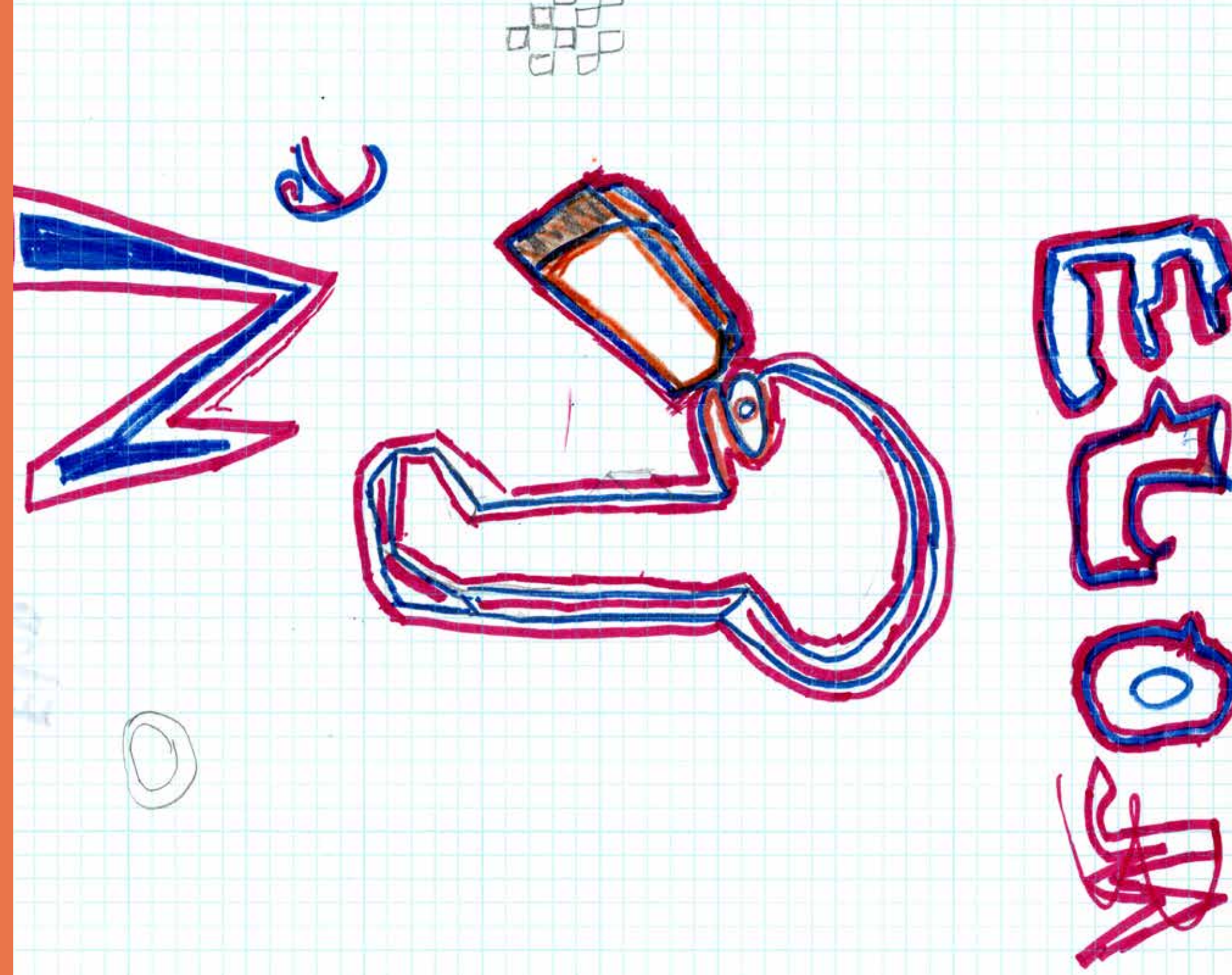


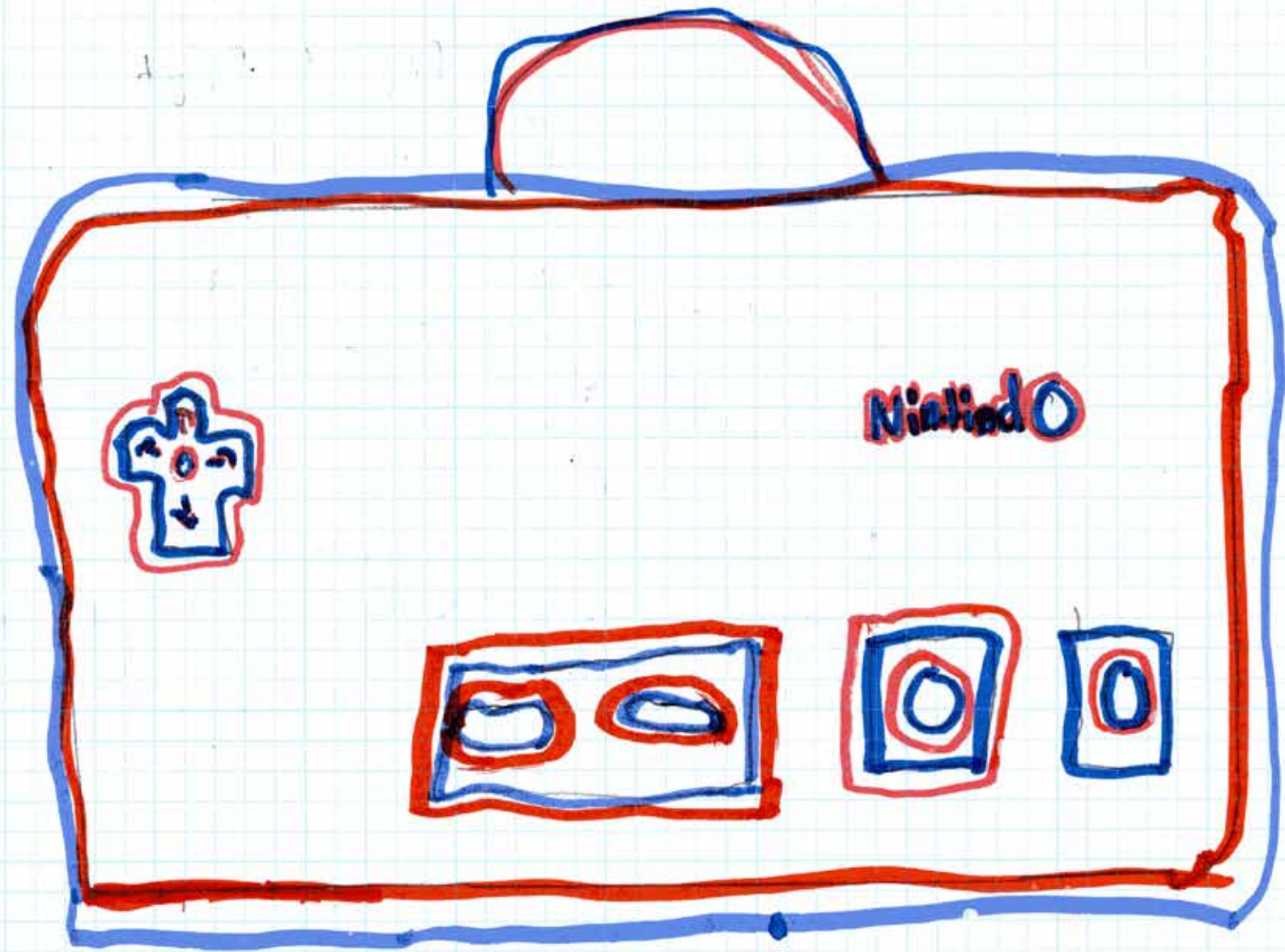


The invention I researched was barcode. The was invented by Norman Joseph in 1949 in the U.S.A. This invention was important because it can be used for medical information. Inventors need to be flexible and smart in order to bring their ideas to life. One question I would like to ask this inventor is, what material do you need to make a barcode?

The new invention I will create is a gaming bar code for ^{controllers}. This will help people to get free games like Fortnite. I will make my invention out of numbers and codes. These are some steps I would take to make my invention. Step one, is to make a blue print. Step two, then get a patent. Step three, make a diagram of it. Step four, put numbers on a paper. Step five, make a barcode. One difficult part of making my invention is putting it together. I can ask my lawyer for help if I get stuck.

If I could invent something from my imagination, I would invent a flying hover board. My fantastic invention would look like a skate board with out wheels. I would use my fantastic invention to travel to Sky Zone and Bounce Around.





Nintendo

The invention I researched is The computer. This was invented by Charles Babbage in 1833 in England. This invention was important because you can do your research, do your homework and play games. Inventors need to be confident and intelligent. In order to bring their ideas to life. One question I would like to ask this inventor is, what came to your mind when making the computer?

The new invention I will create is a game disc with all the games on it. This will help people to play every single game you can imagine. I will make my invention out of plastic, paper, chips, metal and these are the steps. One, I put every single game on one the chip. Two, make a model on the disc. Three, take model, then put chip into model. Step four, add Rainbow Logo. Step five, create, then sell for \$350. One difficult part of making my invention will be making a chip that holds all the games. I can ask my assistant, Chaz, for help if I get stuck. If I could invent something from my imagination, I would invent a all gaming systems mixed in one. My fantastic invention would look like a big rainbow disc that says all games. I would use my fantastic invention to play games all day long.



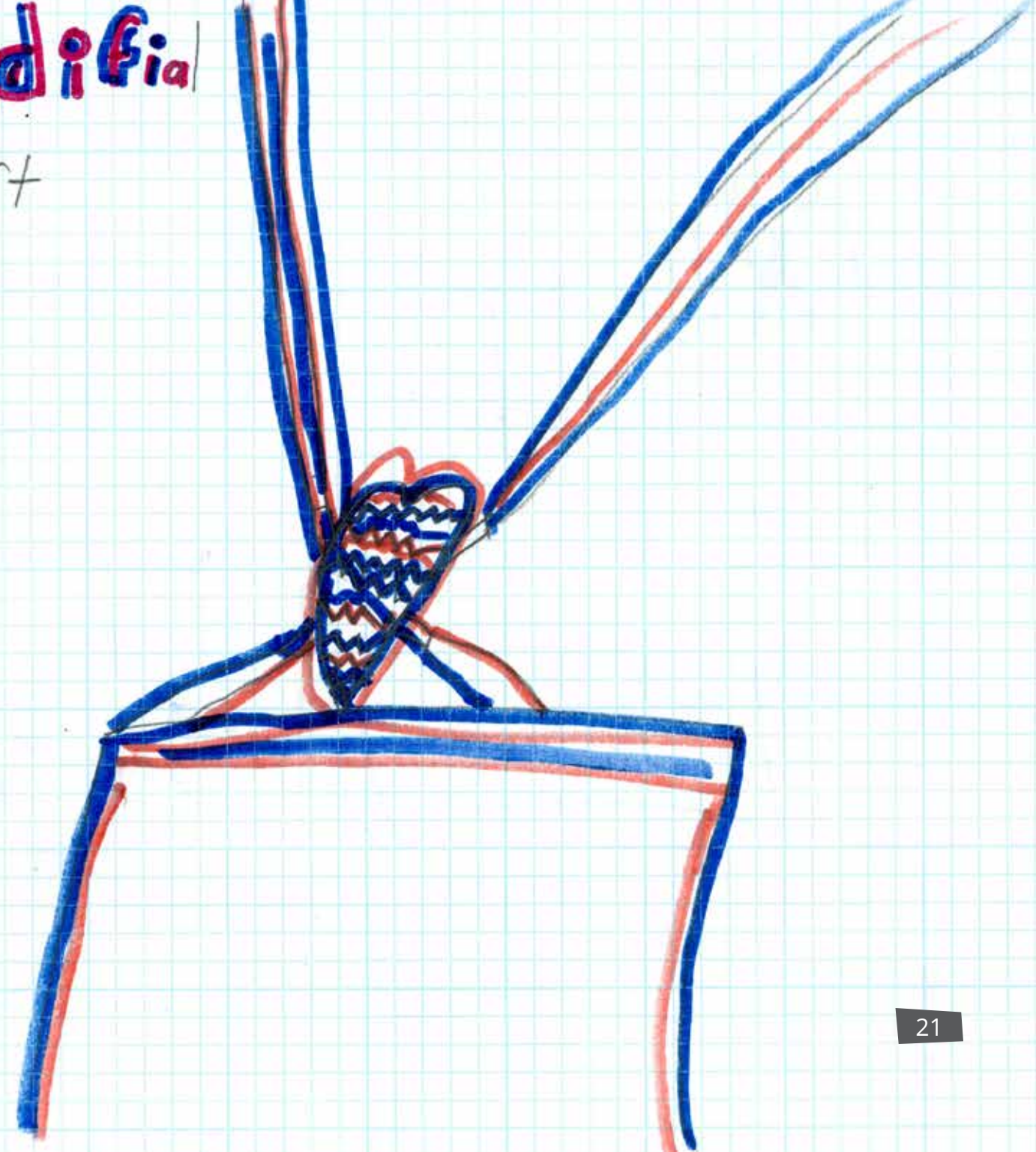
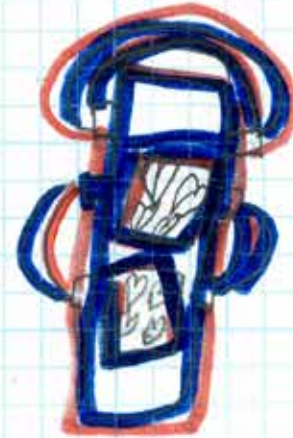
I made the new ^{artificial} heart. It was made in 1937. It's important because it helped a dog for the first time, so it can help people too.

The new artificial heart can help kids live forever. The heart comes with ^{batteries}. It will be home made first.

I need to get lots of money, but I ~~got~~ ^{have} to get a job. Then I need to buy all the tools I need. After that, I need wide cords. ~~then~~ I need to put ~~batteries~~ in the cords. I ~~got~~ ^{have to} make sure it works for a dog. Then it will go around the world. My artificial heart will be lifelong forever. It will work at any age.

Artificial

Heart



The invention I researched was pizza. This was invented by Raffaele D'Elia in 1889 in Italy. This invention was important because it was for King Umberto and for Queen Margherita. Inventors have to be creative and have a lot of imagination in order to bring their ideas to life. One question I would like to ask this inventor is, what gave you the idea to make this delicious food!?

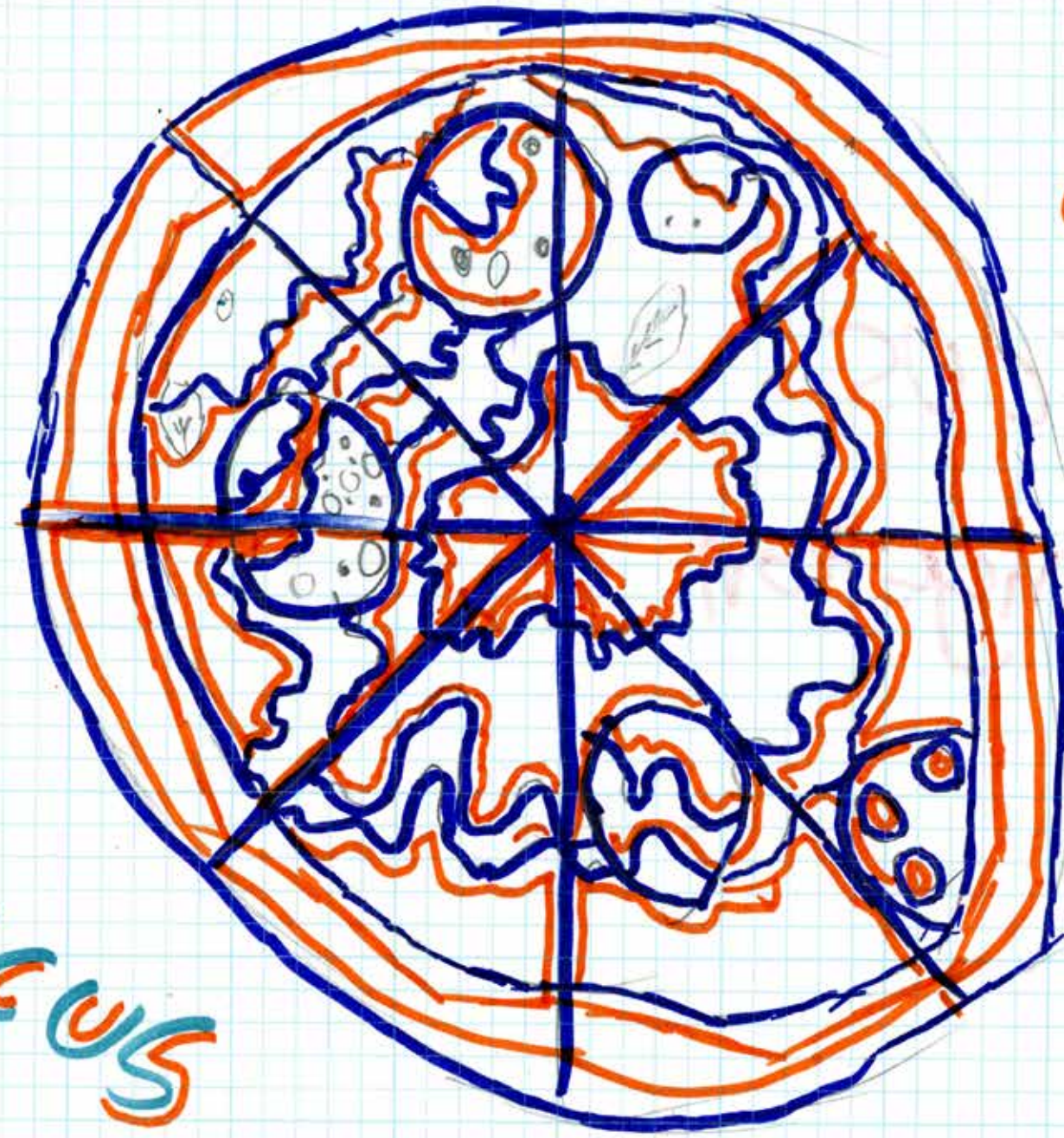
The new invention I will create is pizza cereal. This will help people to eat pizza but the pizza is super cheesy. I will make my invention out of super mini pizzas/powdered cheese/butter and cream. These are some steps to make my invention.

1. Buy mini pizzas, 2. Pour them in to a bowl, 3. Add powdered cheese. 4. Add

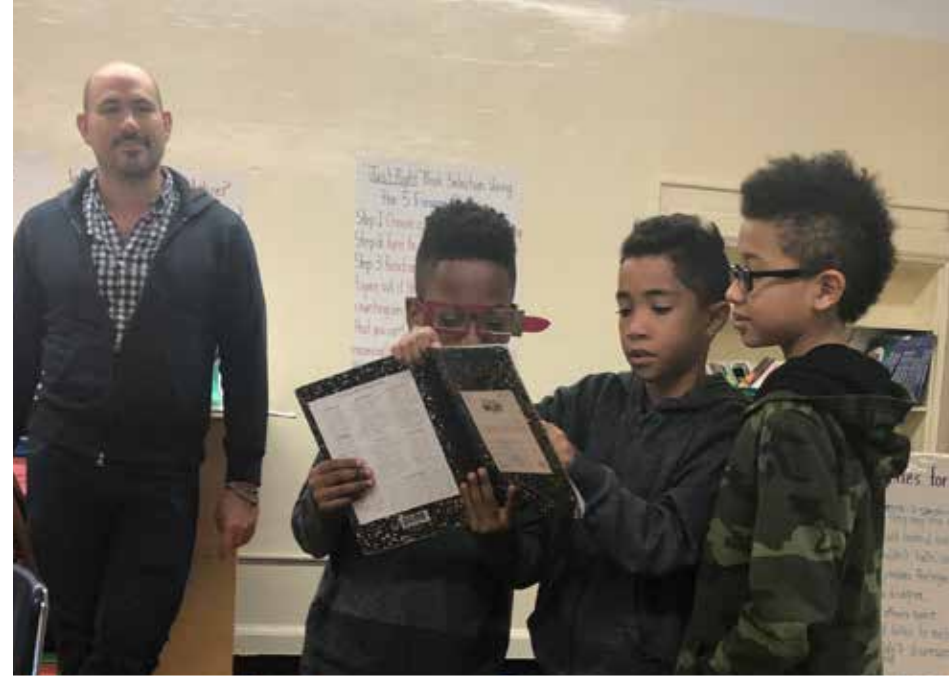
A dab of cream. 5. Enjoy!

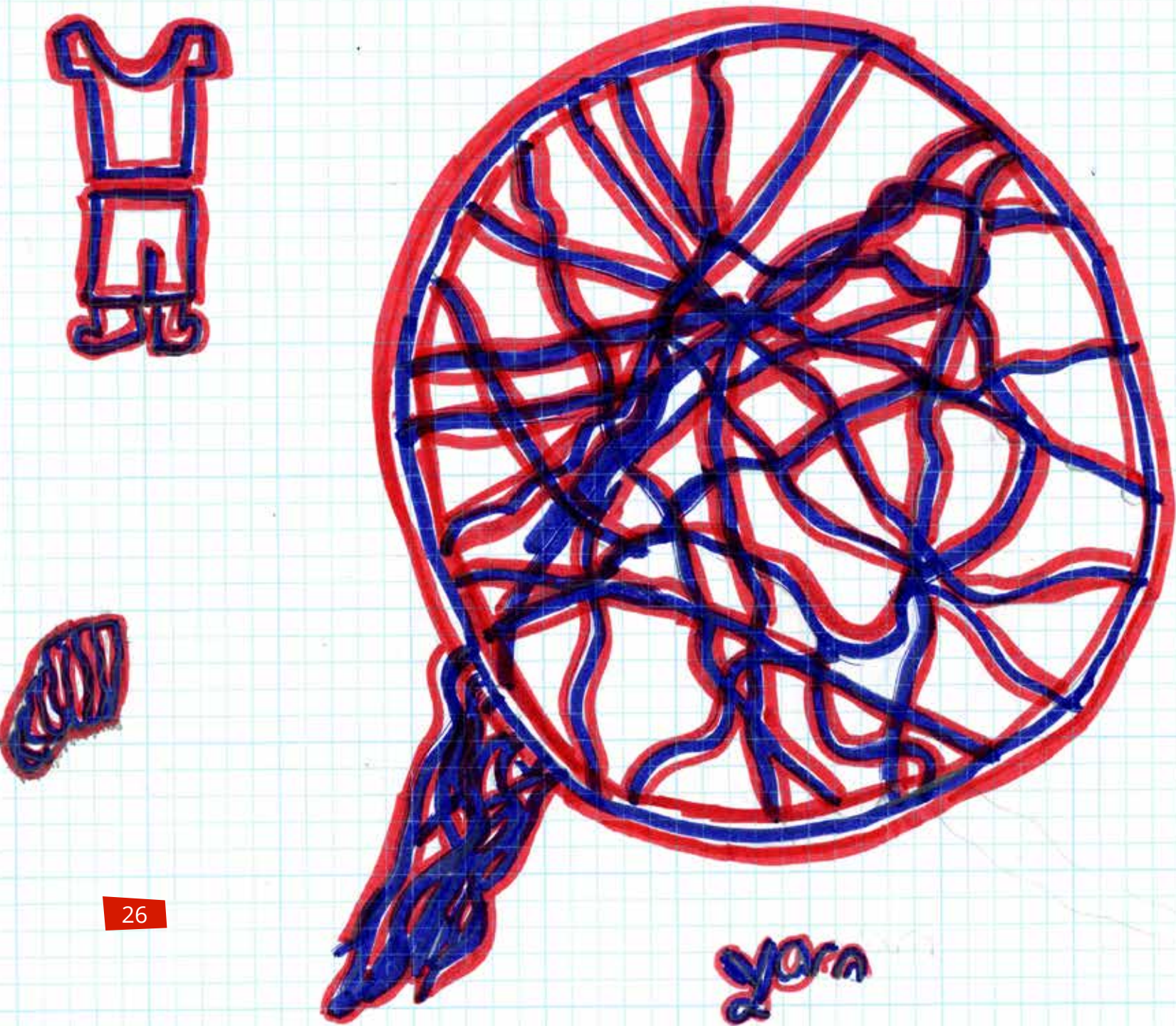
One difficult part of my invention will be making the mini pizzas because they are super small! I can ask anybody up for the job for help if I get stuck.

If I could invent something from my imagination I would invent a pizza machine that can make normal pizzas and mini pizzas. My fantastic invention would look like a robot that has 4 arms. I would use my fantastic invention to make any type of pizza super duper fast!



Marcus





The invention I researched was yarn. I don't know who invented this, but it was 7,000 years ago in Goblenhausen, Switzerland. This invention was important because yarn is used to make clothing, and people need clothes. Inventors need to be patient and hard working in order to bring their ideas to life. One question I would like to ask this inventor is, can you make the yarn rainbow in one?

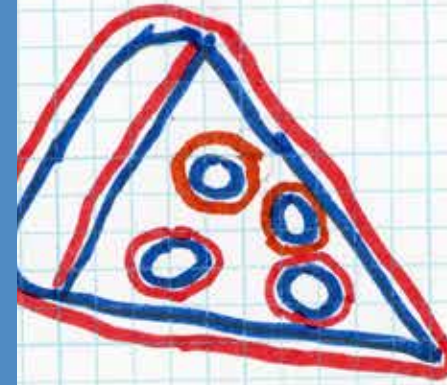
The new invention I will create is a iPhone 12 pro max with 12 cameras. This will help people to say what you want and it goes on the app and it has 12 cameras. I will make my invention out of metal and plastic. These are some steps I would take to make my invention. Step 1 is to make the iPhone 12 pro max with 12 cameras. Step 2 is to program the iPhone 12 pro max with 12 cameras. Step 3 is to make sure the iPhone 12 pro max with 12 cameras works. Step 4 is to sell the iPhone 12 pro max with 12 cameras. Step 5 is that the person who bought it is going to rate us five stars. One difficult part of making my invention will be program the iPhone 12 pro max with 12 cameras. I can ask my mom and dad for help if I get stuck.

If I could invent something from my imagination, I would invent a person mixed with a bunny and a dog. I would use my fantastic invention to protect my family and me also my iPhone 12 pro max with 12 cameras.

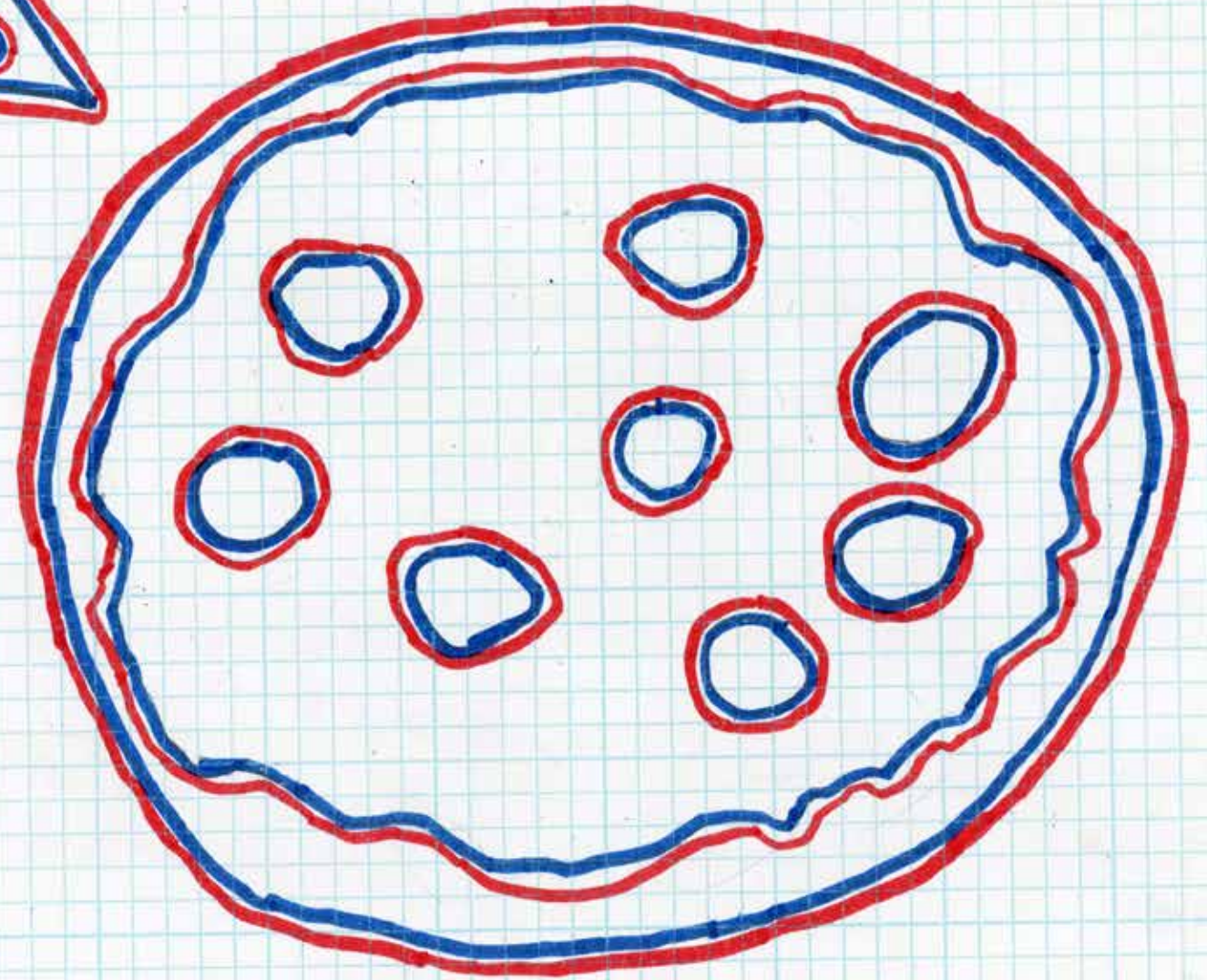
The invention I researched was the pizza. This was invented by Raffa Esposito in 1789 in Italy. This invention was important because I love pizza and it feeds lots of people. Inventors need to be smart and creative in order to bring their ideas to life. One question I would like to ask this inventor is, what do you use to make the pizza so amazing?

The new invention I will create is a bigger pizza machine. This will help people to have more. I will make my invention out of metal and special oil. These are some steps it would take for my invention to work:
 Step 1: put the pizza in the machine. Step 2: put in the special oil.
 Step 3: put the machine on level 5. Step 4: wait 7 min.
 Step 5: Then you have super, super, super big pizza. One difficult part of making my invention will be finding all the parts. I can ask my dad for help if I need it.

If I could invent something from my imagination, I would invent make it rain money. My fantastic invention would look like, a big pink box with a tube. I would use my fantastic invention to give out free money to everyone even though it would be crazy.

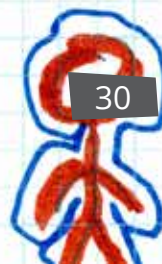
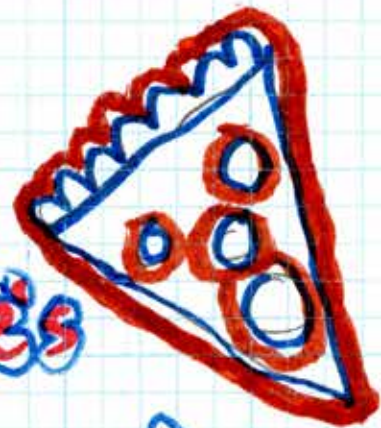


bigger
 P i z z a



Sadiel

Skittles
Pizza



The invention I researched was Pizza. This was invented by an Italian in 1889. This invention was important because Pizza was a popular fast food in the world. Inventor's need to be more creative and open-minded. One question I would like to ask this inventor is, what reason made you get the idea of pizza? The new invention I will create is Skittles Pizza. This will help people to taste new stuff and new toppings. I will make my invention out of cheese pizza and put Skittles on it. These are some steps I would take to make my invention. Step 1: order cheese pizza. Step 2: buy Skittles (original or what flavor you want). Step 3: put the Skittles on top of the cheese pizza. Step 4: spread my invention around the world. Step 5: Enjoy! One difficult part of making my invention will be sharing with the world my invention. I can ask people who make pizza for help if I get stuck. If I could invent something from my imagination, I would invent an edible pencil on top of a cheese pizza. I would use my fantastic invention to make people taste my new imaginary invention.



Sadiel



About the Visiting Author

Gilbert Ford currently lives and works in Brooklyn, NY where he has illustrated many New York Times best selling middle grade novels and also award-winning picture books. He is the author/illustrator of the non-fiction picture books *The Marvelous Thing That Came From a Spring* and *How The Cookie Crumbled*, both published by Atheneum. He is also the author/illustrator of his debut middle grade novel, *The Mysterious Messenger*, to be published by Macmillan/Ottaviano in 2020.

About the Student Authors

Class 5-205 loves to create inventions so that the past becomes the future. Our class updated inventions to make them a piece of cake for us, and others to be able to use in the future. We researched peoples creations/inventions, took feedback to create our own. When we visited the Cooper Hewitt Museum, we were able to see how other artists designed their projects. What kind of invention would you make to help people?



About Behind the Book

Behind the Book brings authors and their books into classrooms to build literacy skills and create a community of lifelong readers and writers. Working with classes from Pre-K through 12th grade, our series of workshops is designed to bring books to life and inspire students to reach their full potential. Behind the Book is embedded in the class curriculum, nurtures critical thinking, creativity, and self-confidence in New York City public school students. All programs meet the Common Core Learning Standards.

Common core learning standards

COMMON CORE LEARNING STANDARDS ADDRESSED

CCSS.ELA-LITERACY.RI.5.9

Integrate information from several texts on the same topic in order to write or speak about the subject knowledgeably.

CCSS.ELA-LITERACY.W.5.2

Write informative/explanatory texts to examine a topic and convey ideas and information clearly.

CCSS.ELA-LITERACY.W.5.5

With guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach.

We bring authors and illustrators into the classroom to make reading and writing an awesome experience!

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