

Collaborative story

ROBO-FRIENDS

TO DO LIST

When you finish with one activity change color of check mark in first column of activity row
Rows marked from 1-6 should be done until 23rd March 2023. Row 7 until 24th March 2023.
at 12:00 CET, and the rest until 6th April

		What you should do...	Notes...
1.	✓ X	Start a story , with peers from your class choose a picture or a model of one robot that will be main actor of this story	
2.	✓ X	Choose one specific name for your robot (brainstorm your ideas, make a list of names, and vote – bare in mind that name for this robot can also suggest what that robot should be able to do – for example CLEANSY will have to clean something – what it will be – we will see in next steps)	ELECTRO who was made by a group of 5 th graders
3.	✓ X	Describe your team! Where are you from? How old are you? Do you like making robots?	group #3 (Talin , Mohammad , youssef and Jihad) are 9 and 10 years old who live in Beirut and are creative robot makers

4.	✓ X	Basic shapes (make a list of basic math shapes that your robot is made of, connect them with parts of a body of your robot)	circles2 rectangles7 triangles 2 hexagon 1 octagon 2 oval 1
5.	✓ X	Count, measure, calculate (now you can do the basic math calculations – count groups of basic shapes, measure their dimensions (width, height, diameter...), if you can calculate material needed for your robot to be built again (area/volume calculations)	1. For the head, Electro had orange rectangle of 33 x 50 cm 2. a light blue rectangle of 35 x 50 for the body 3. two red rectangles of 38 x 7 for the arms 4. 1 red rectangle of 13 x 7 for the neck 5. for Electro's legs, he had 2 red rectangles of 25 x 12 cm 6. Electro also had a dark green oval shape for the mouth of 7 x 3 height and width. 7. He had a button like hexagon shaped nose of 2x3x2x2x3x2 8. light green circles with 10 cm radius for the hands 9. for the eyes, light green triangles of 12 x 8 x 8 measurement 10. for the feet, two light green octagons 13 x 9 x 6 x 9 x 13 x 9 x 6 x 9
6.	✓ X	Special power (what your robot will do - brainstorm your ideas, make a list of special powers that your robot should have, and vote)	Electro creators would like to give him special power and make him generate electricity for free. Right now Lebanon is having an economic crisis ;blackouts and lack of electricity are affecting everyone's life. and not all apartments can have solar system especially in crowded areas and buildings We are wondering what we have to teach our robot in order to give him/her that power?
7.	✓ X	Second part of a story (older students) read first part of a story, make a research, find what science discipline should a robot, that is described, learn in order to gain knowledge necessary for doing his/her everyday work – bare in mind –	List science discipline for robot to learn: Write short descriptions of those disciplines: Write short examples of work that is connected to robot and specific disciplines: Rewrite your sentences so that it can be understood by young students: Copy link of web page:

		the more interested you are – the easier and better your research will be For web design students – make a web pages with both part of stories and upload it to schools' server	
8.	☒ ☒	FEEDBACK: parents/other teachers/peers/friends are all good audience to see your work (people have different strengths – so it is good to have more than one person to look over our work)	Add your and comments of others to your story: Add your and comments of others to your web page:
9.	☒ ☒	Add changes to your your story (upon FEEDBACK part of TO DO list make changes – please do not erase previous work – just add changes in different color)	Was this a great experience or what?
10.	☒ ☒	Go through other stories	Which one is your favorite? Why? What could be added, replaced, rearranged, researched again, are data sets used well prepared...?