



Learn to know the Blue-Bot



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The purpose of this activity is to allow students to learn how Blue-Bot works. Students get an understanding that robots are a form of computers and they only do what we want them to do.

This focus in this activity is, that the students learn:

- Calculating and creating own algorithms.
- To give and receive precise instructions.
- Cooperation
- Direction.

Progress:

Explain to students that robots are some kind of computers that can help us with things. Talk about some examples: lawn mowers, vacuum cleaners and toys that we can learn from while we play. The Blue-bot can help us understand how a computer works.

Explain to students how to turn on and off. What to take care of. Explain and demonstrate the various buttons on the top of the robots. Explain settings / command / input: forward / back / right / left / delete and pause. Show while you tell.

3. Demonstrate how to make an algorithm / a sequence of commands/input Try programming the robot so everyone sees it. Let the robot run. With a mistake. Repeat it with the errors that occur. It's good that everyone sees the method: "trial and error". It is better than succeeding in the first attempt.

4. Then let the students in groups try to play with the robot. Let them make algorithms / movement sequences that they find themselves and let them play with the robot.

What type of resource is this?

This activity is a beginner activity – the first lesson with a blue-bot.

Picture:



Resources required:

- A Blue-Bot for each group

Estimated time 30 min.