

***Scenario title/name of the game:*** Let's go visit

***Children’s age (primary school students):*** 7-8 years old

***Time needed:*** 15 minutes

***Content/Subject:*** Spatial orientation

***Aim of the activity:*** Plan, write down and complete a 3-5 step algorithm to move around the playing area using the words "right"/"left"/"up"/"down". Explains how to move differently, what changes if the steps are different. Determines the number of objects and counts forwards, backwards within 10; Checks the result of the steps.

# Introduction

This game aims to develop Spatial Orientation skills by educational robot. The story of the game, appropriated for the students age, will take them in a scenario where they can help robot to visit a friends by using their knowledge!

## Resources:

***Programmable robot***

***MicroUSB cable, access to free mobile apps***

# A detailed description of the scenario

One day, Robert has received an invitation to a friend's birthday party. The Robert thought about what it could get for its friend's birthday. He figured it out! Then went to visit his friend to celebrate his birthday together! Help the Robert visit his friend!

# Steps

1. Decide together what arrows do you need to get to friend’s house
2. Decide together how many steps do you need to get to friend’s house
3. Make a mental map of the road to visit the friend
4. Programme the Robot (or put the arrows in the right order). Press start!
5. Visit a friend!

# Tips and tricks for the teacher

Give instructions at the beginning of the game!

Encourage children to speak out loud when they think!

Complete the robot's path with different barriers!

You can overcome different barriers and apply colors and sounds to the robot at certain points along the way.

When the task is carried out in pairs or groups, cooperation skills is developed.

Let children make mistakes. Trying again and discovering the error is part of the game!

The robot helps the student to solve tasks that require the robot to reach a destination.

Students can work out task form textbook (see Figure 1)

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|  | Take a look! Tell stories! Solve!  Figure out more tasks for the picture! |
| ***Figure 1 Task*** (Anspoka, Birzgale, Dzērve, Helmane, Leite, 2011) | |

***Literature*:**

Anspoka, Z., Birzgale, E., Dzērve, I., Helmane, I., Leite, I. (2011). *Sākam mācīties! Otrā grāmata.* Lielvārds (in Latvian).