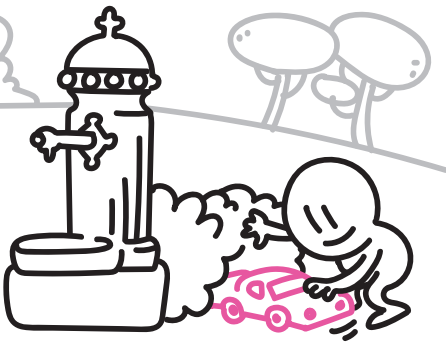


Challenge 1 The Treasure Map

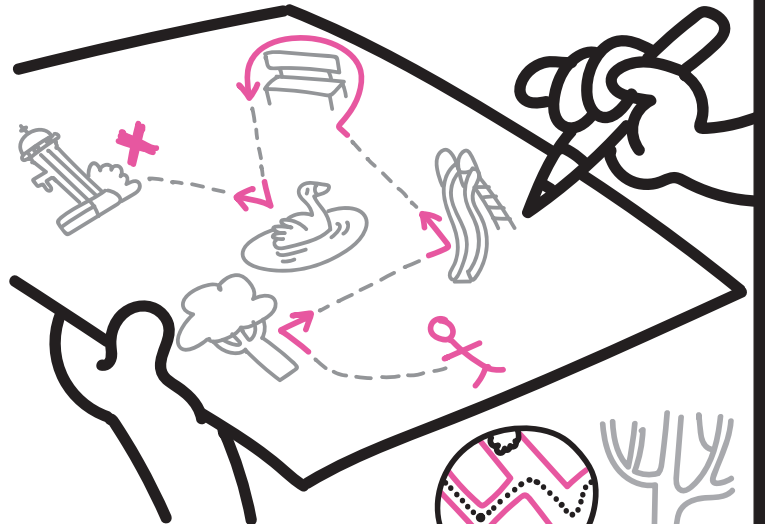


1. Choose the object that will be the treasure and hide it somewhere that only you know.

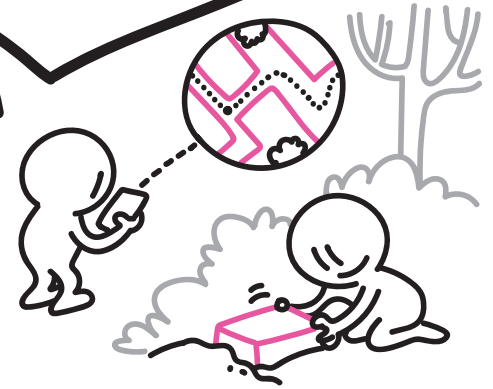


3. Give someone else the map and instructions needed to look for the treasure.

2. Decide on a starting point and draw a map to go from there to find the treasure, with instructions and reference points on the grid (you can add photos!).



4. Let's search! If they manage to find the treasure, fantastic, if not, try improving your map and go again.



5. Very good! Now you're ready to make new maps!

What do we need?

- Counter/Worksheet
- Object "treasure"
- Drawing and writing utensils

What do we want to work on?

- Spatial positioning using a reference system.
- Visualizing and recalling simple routes.
- Understanding and using positional vocabulary: side, between, in front, behind, through, left, right, above, below, etc.
- Representing real-world objects in a drawing.
- Sequencing and representing time vocabulary: first, next, then, before, etc.
- Comparing distances and using comparative language: closer, farther, higher, etc.
- Measuring distances (in steps or meters)
- Designing and writing instructions (computational thinking)

Good questions up to 7 years of age:

- From the starting point, would you know how to tell us about an object that is closer than the treasure?
- Have you used positional vocabulary such as: next to, between, in front, behind, through, left, right, above, below, first, next, then, before, closer, farther, higher, etc.?
- Would you know how to describe the route using only words?
- How long do you think the route is in steps? Try it out yourself! Could it be made shorter?

Good questions from 8 years of age:

- How long do you think the route is in meters? And how long do you think it takes to get to the treasure? How would you check this? Go ahead!
- With these two pieces of information, would you know how to figure out the average speed at which the route is traveled?
- Is the route you have thought of the only one possible? Could it be shorter (in distance or in time)?
- Where else could the treasure be, so that the distance from the starting point is the same?

Have you found the hidden treasure? What about you? Did you get it? Share it with us via social media using [#InnovamatSummer](#). Enjoy a very mathematical summer!