

Ona Ventura

TEACHER

www.heartroboticsproject.eu

HEART Project

(Help educators to teach through robotic tools)
no. 2021-1-PL01-KA220-ADU-000035164
Database and Guide on Educational Robotics

- **Please, introduce yourself**

I have a degree in early childhood education and I am currently studying a double master's degree in Learning Difficulties and Language Disorders. I'm also a dance teacher.

- **What type of educational robot does your organisation have?**

BEE-BOT. Physically coded robots.

- **How many times did you use the robot?**

During a school year. The robot is used for one hour, once a week.

- **How and in what contexts can your robot be used?**

Education: school and special education centres. The teachers structure the class in different spaces with different activities and the students are free to choose the activities they want. This is a very effective methodology for the students because they work on the content we want through play.

- **Which job/ skill/ activity is supported by the robot?**

The main skills worked on were numerical reasoning, logic, memory, visuospatial reasoning and fine motor skills.

- **If not confidential, who provided your organisation with this robot?**

The Department of Education of the Generalitat de Catalunya (the Catalan Government).

- **If not confidential, what was the costs for implementation?**

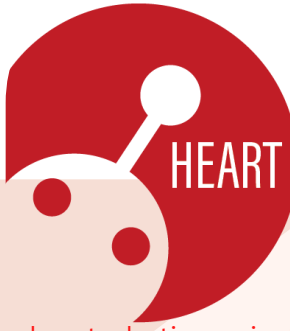
I don't know, because this is administered by the government of Catalonia (because it is a public school).

- **How long did the development of the education scenario take?**

As it is a very motivating activity for the students, it is an activity that they do for the whole school year. Once a week, for one hour.



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- Have you experienced any problem(s) with the robot?

No. So far, I have not had any problems with the robot. But I would like to say that more information about how to operate it was needed at the beginning.

- How was the problem resolved?

We looked for more information on the internet.

- What consequences did this have on your day-to-day operations?

We only had to spend some extra time before implementation, but there were no direct consequences on the students' usage of the robot.

- Is there any ready to use content that you can share with us?

Not exactly... The educators who were working in the center at the time designed all the contents we applied. Specifically taking into account the characteristics of the students. We are not allowed to share this content now. Sorry...

- Are there tutorials for the use of the robot?

Yes, of course, we can find several:

<https://www.youtube.com/watch?v=uULpYYE1Agc>

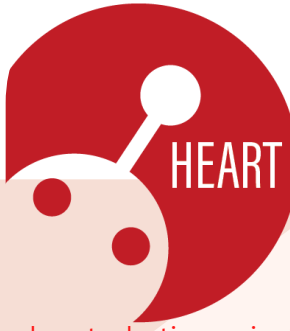
<https://www.youtube.com/watch?v=MK3T9MLbr14>

- Are the materials for a non-expert audience?

Yes, these tutorials are suitable for any type of user, without the need for special training.



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- Does the robot need an additional kit of components to be fully working in the sphere chosen?

No. When we use the robot, we don't use anything but the work, skill and activity of the robot. This is because we consider that it is not necessary, but a teacher supports the robot all the time. The teacher makes sure that the pupils do their work correctly.

- Is there anything else you would like to share with us?

I think this is a very important and necessary step for the integral development of people with special needs. It is also extremely versatile and, given its simplicity and format, it can be applied in almost any context.



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