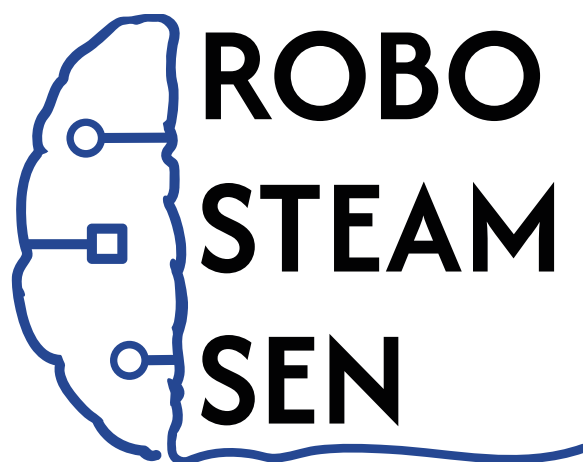


WP2.T3 User Model Tutorial

“WP2. Adapting Resources, Methodologies and Tools by IDD”



**Training SEN teachers to
use ROBOTICS for fostering
STEAM and develop
computational thinking**

Project No. 2023-1-ES01-KA220-SCH-000155379



**Co-funded by
the European Union**

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.

Project ref. number	2023-1-ES01-KA220-SCH-000155379
Project title	ROBOSTEAMSEN - Training SEN teachers to use robotics for fostering STEAM and develop computational thinking
Document title	User Model Tutorial
Document Type	Information
Document version	V.1.0
Previous version(s)	-
Planned date of delivery	01/10/2024
Language	English
Dissemination level	Local
Number of pages	-
Partner responsible	ULE
Author(s)	Miguel Á. Conde
With contributions by:	-
Revised by:	-
Abstract	-
Keywords	Resources

Access and Navigation Manual for the ROBOSTEAMSEN Resources

Project: ROBOSTEAMSEN – Training SEN teachers to use robotics for fostering STEAM and develop computational thinking.

Purpose: To access robotics materials, methodological resources, and educational tools developed by the project.

1. Access to the main project site

Step 1: Access the main portal

Go to the official ROBOSTEAMSEN project website:

□ <https://robosteamsen.eu>

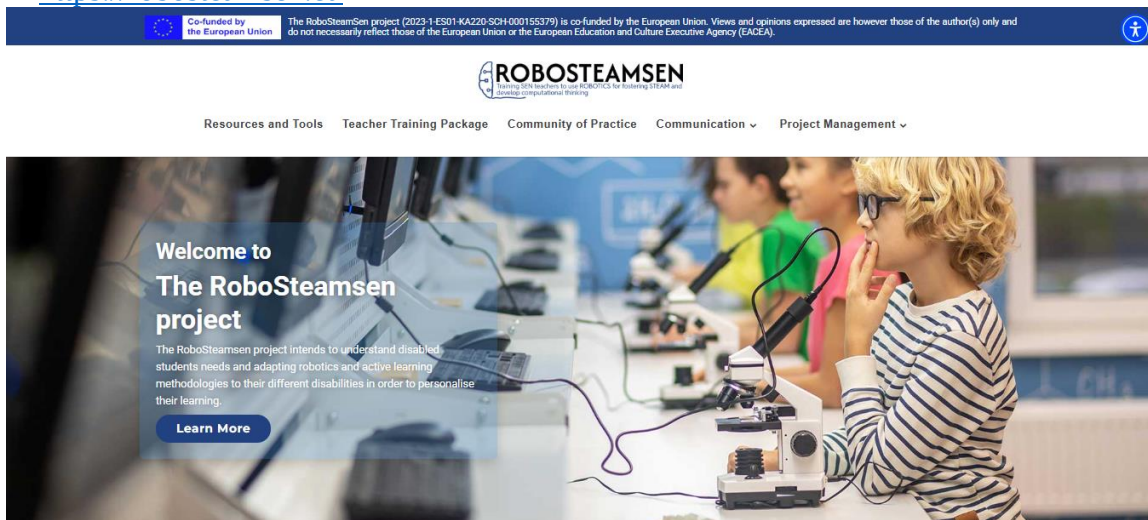


Figure 1 – Main page of the ROBOSTEAMSEN official website

2. Accessing resources via the 'Resources and Tools' section

Step 2: Navigate to Resources

From the top navigation menu, click on the tab labeled 'Resources and Tools'.



Figure 2 – Location of the 'Resources and Tools' menu option

Step 3: Select resource category

On the newly opened page, choose the option 'Robotics and Methodological Resources'.

Resources and Tools

This section is composed by set of reports and tools providing knowledge to facilitate adapting robotics and active learning methodologies for different IDD to secondary school teachers.



Figure 3 – Access to the Robotics and Methodological Resources space

Step 4: Browse and download resources.

You will be directed to the resources section, where you can view, select, and download the materials of your interest, including robotics kits, teaching guides, and methodological documents.

Resources

Typology Search		
Name	Description	Typology
Robot-Assisted Instruction for Special Education	Robot-Assisted Instruction (RAI) involves using robots as teaching assistants to deliver educational content to children with IDD. Robots can provide consistent, repeatable, and engaging instruction, adapting to the individual learning pace and style of each student, thereby enhancing the education ... Read more	Methodological
Socially Assistive Robotics Intervention Framework	The Socially Assistive Robotics (SAR) Intervention Framework utilizes robots to provide personalized support and encouragement to children with IDD. These robots are designed to engage in social interactions that promote learning and development, offering assistance in areas such as communication, ... Read more	Methodological
Trexo Robotic Walker	The Trexo Robotic Walker is a wearable robotic device designed to assist children with mobility impairments, including those with cerebral palsy and other developmental disabilities. It enables children to experience guided walking, promoting muscle development, coordination, and the experience of walking ... Read more	Technological
KASPAR (Kinesics and Synchronization in Personal Assistant Robotics)	KASPAR is a child-sized humanoid robot developed to assist children with autism and other developmental disorders in improving their social interaction and communication skills. Its human-like appearance and ability to perform various facial expressions and gestures make it an effective tool for engagement ... Read more	Technological
Paro Therapeutic Robot	Paro is an advanced interactive robot designed to look like a baby harp seal. It is used in therapeutic settings to provide comfort and emotional support to individuals with developmental disabilities. Paro responds to touch and sound, exhibiting behaviors that mimic a real pet, which can have calming effects ... Read more	Technological

Figure 4 – Resources

3. Accessing resources via the Community of Practice

Step 5: Go to the “Community of Practice” section

From the main page (<https://roboteamsen.eu>), click on ‘Community of Practice’ in the top navigation bar. This redirects you to: <https://cop.roboteamsen.eu>



Figure 5 – Community of Practice portal

Step 6: Log into the platform

Click ‘Log in’ and enter your username and password.

If you don’t have an account, contact your institution or the platform administrator to request credentials.



RoboSTEAMSEN Community of Practice

Access to ROBOSTEAMSEN Resources

Figure 4 – Moodle login page

Figure 5 – Moodle login page

Step 7: Navigate to the resource access point

After logging in, return to the top menu and click again on ‘**Resources and Tools**’.
Locate and click on the image labeled ‘**Access to ROBOSTEAMSEN Resources**’.

Welcome back, javier alberto! 🤝

Access to ROBOSTEAMSEN Resources



Figure 6 – Course list view with 'Collaborative Space'

Step 8: Browse available resources

You will be redirected to the full resource catalog. Here you can explore all available content, including:

- Robotics modules
- Inclusive STEAM methodologies
- Tools for computational thinking

Resources

Typology Search		
Name	Description	Typology
Robot-Assisted Instruction for Special Education	Robot-Assisted Instruction (RAI) involves using robots as teaching assistants to deliver educational content to children with IDD. Robots can provide consistent, repeatable, and engaging instruction, adapting to the individual learning pace and style of each student, thereby enhancing the education ... Read more	Methodological
Socially Assistive Robotics Intervention Framework	The Socially Assistive Robotics (SAR) Intervention Framework utilizes robots to provide personalized support and encouragement to children with IDD. These robots are designed to engage in social interactions that promote learning and development, offering assistance in areas such as communication, ... Read more	Methodological
Trexo Robotic Walker	The Trexo Robotic Walker is a wearable robotic device designed to assist children with mobility impairments, including those with cerebral palsy and other developmental disabilities. It enables children to experience guided walking, promoting muscle development, coordination, and the experience of walking ... Read more	Technological
KASPAR (Kinesics and Synchronization in Personal Assistant Robotics)	KASPAR is a child-sized humanoid robot developed to assist children with autism and other developmental disorders in improving their social interaction and communication skills. Its human-like appearance and ability to perform various facial expressions and gestures make it an effective tool for engagement ... Read more	Technological
Paro Therapeutic Robot	Paro is an advanced interactive robot designed to look like a baby harp seal. It is used in therapeutic settings to provide comfort and emotional support to individuals with developmental disabilities. Paro responds to touch and sound, exhibiting behaviors that mimic a real pet, which can have a calming effect ... Read more	Technological

Figure 7 – Full list of downloadable ROBOSTEAMSEN resources