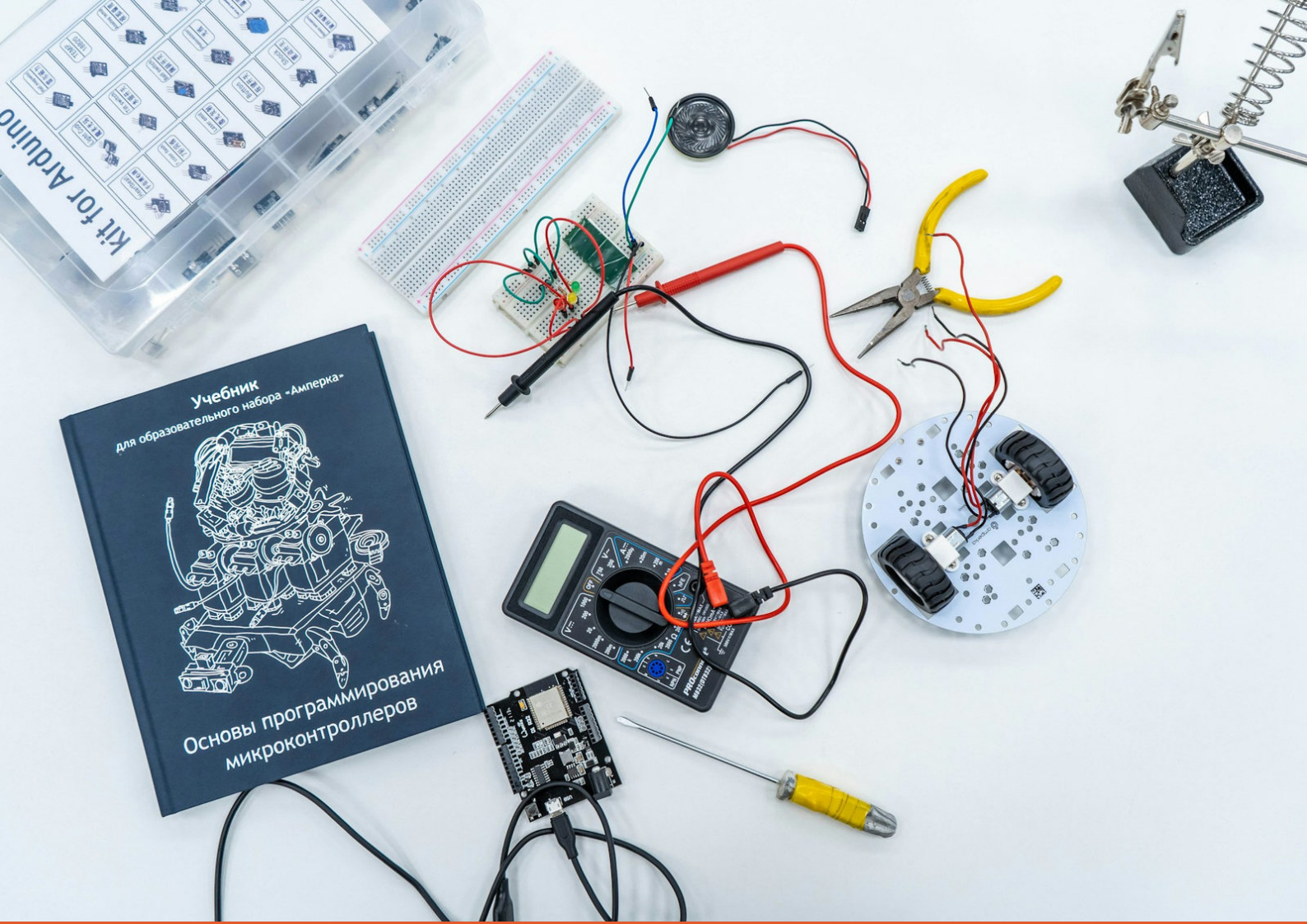




EduTrend Contents

EDUTECH · ROBOTICS RESOURCES FOR STUDENTS · MIDDLE SCHOOL

My Robotics Learning Record

Build a project record and learn to share work safely online

Ages 12–14

Level: Intermediate

50 minutes

Individual · up to 30

Activity 04

Inside: activity at a glance · step-by-step session plan · facilitator notes · 3 student worksheets · assessment checklist

ACTIVITY 04 · AT A GLANCE

My Robotics Learning Record

Students choose a recent robotics or coding project and create a one-page learning record: a photo or screenshot, the goal, what went wrong, how they fixed it and what they would change next. They then review privacy and moderation settings for sharing and agree safe sharing rules with a parent or teacher.

Learning outcomes

By the end of the session students can:

- document a project;
- reflect on problems and fixes;
- set a next goal;
- share work safely.

KEY WORDS

learning record · reflection · goal ·
privacy · moderation · portfolio

CURRICULUM LINKS

English: reflective writing. PSHE:
online safety. Careers: portfolios.

1**SENSE**

What can it detect?

2**THINK**

What should it
decide?

3**ACT**

What should it do?

4**TEST**

Run it

5**DEBUG**

Find and fix

6**IMPROVE**

Make it better

Materials (per student)

- Recent project
- Device or notebook
- Record template
- Worksheets 1, 2 and 3

Before the session

- Remind students to bring a project.
- Print templates.
- Prepare examples of safe sharing settings.
- Print worksheets.

SAFETY

Never include full names, school names or faces of others without permission when sharing online.

ACTIVITY 04 · SESSION PLAN

Step by step

Records like this help students see progress and are useful for clubs and courses later.

Time	What happens	Say or ask
0–8 min Hook	Show a good learning record.	<i>"What makes it useful?"</i>
8–30 min Create	Write a record.	<i>"What went wrong?"</i>
30–40 min Share safely	Review privacy settings.	<i>"What should stay private?"</i>
40–50 min Next goal	Plan next project.	<i>"What will you learn next?"</i>

CHALLENGE CARD (print or copy onto the board)

Create a one-page learning record for a robotics or coding project and agree safe sharing rules with a trusted adult.

ACTIVITY 04 · FACILITATOR NOTES

The learning know-how in brief

A learning record with a photo, goal, problems and fixes shows progress over time. Reflecting on what went wrong helps learners improve their approach.

When sharing online, platforms with moderation and privacy settings are safer. Checking with a parent or teacher before posting protects personal information.

Common ideas to listen for

- “Only successes are worth recording.” Problems show learning.
- “Everyone should see my work.” Privacy matters.
- “A photo is enough.” Explanation shows thinking.

Adapting the activity

Support

Provide a partly filled template.

Stretch

Build a three-project portfolio.

WORKSHEET 1

Learning record

Name: _____

Class: _____ Date: _____

Fill each part.

Learning record

Part	My notes
Project	
Goal	
What went wrong	
How I fixed it	
Next time	

WORKSHEET 2

Safe sharing

Check settings.

Safe sharing

Question	Answer
Is the platform moderated?	
Is my name hidden?	
Did an adult check?	

WORKSHEET 3

Next goal

Plan ahead.

My next robotics learning goal

FOR THE TEACHER

Assessment checklist

Use during the session. One sheet covers up to eight students; copy as needed.

Student	Documents clearly	Reflects honestly	Shares safely

Suggested codes: W = working towards · E = expected · G = greater depth

ABOUT THIS ACTIVITY

My Robotics Learning Record is a sample activity from the EduTrend Contents Edutech Robotics Resources for Students programme (middle school, level: intermediate). Every activity in the programme follows the same format: a practical challenge, a clear session plan, facilitator notes and ready-to-print worksheets, so that teachers, club leaders and parents can run it without extra preparation.

Full 15-, 20- and 32-week programmes are available from EduStore at edutrend.org.

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