

SEL Young Innovators



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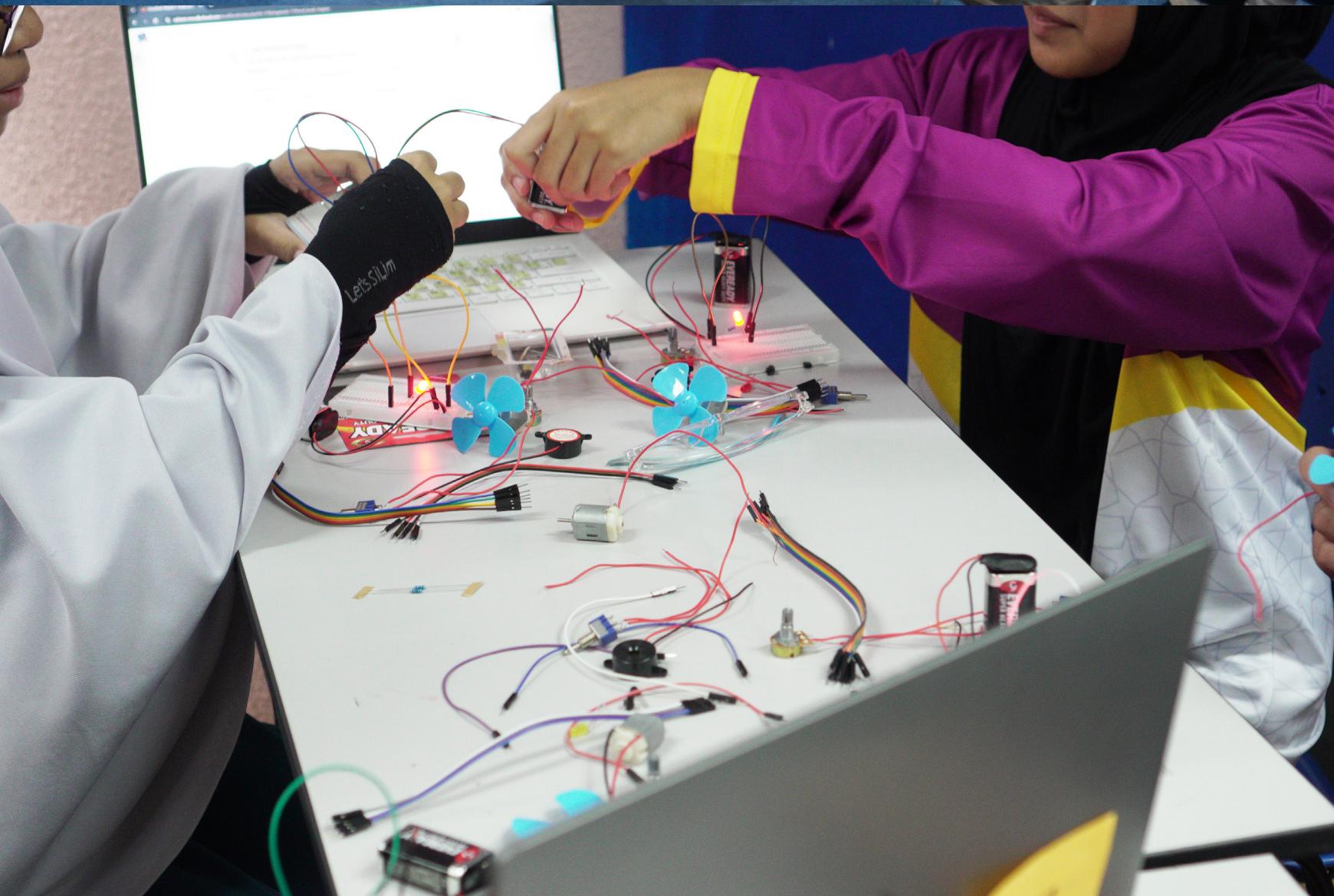
Introduction to **SEL Young Innovators** **(SELYI)**

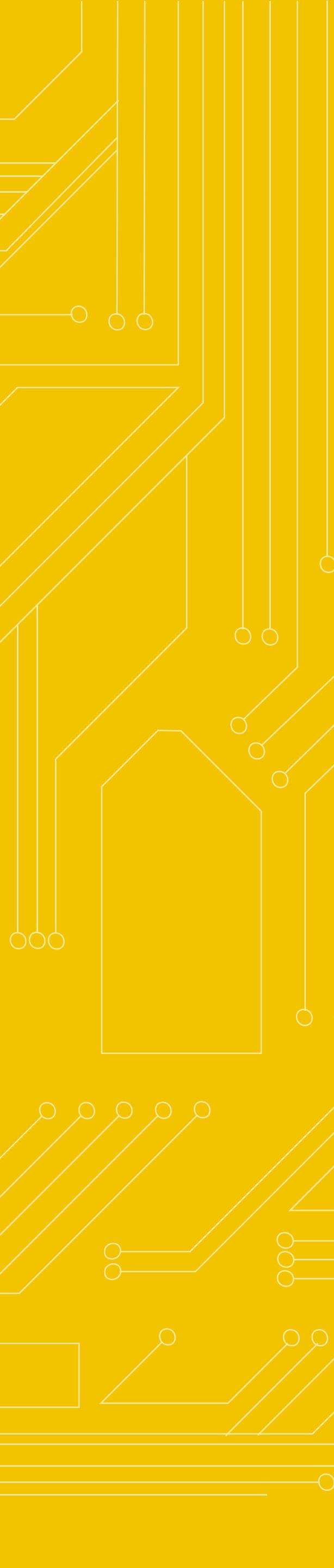




EMPOWERING YOUTH

Young people have the power to drive positive change. They can learn to tackle the complex challenges faced by the world and take meaningful action to change them.





Understanding SEL Young Innovators

WHAT IS IT?

A series of workshops focusing on building technical and soft 21st century skills through robotics and innovative prototyping

WHAT DOES IT INVOLVE?

Coding, programming, 3D modelling and printing, app development, and systems thinking linked to the 17 Sustainable Development Goals (SDG), including awareness on Artificial Intelligence (AI)

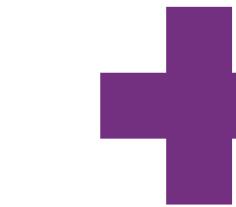
WHAT IS IT FOR?

This program nurtures curiosity in STEAM and empowers youth to discover, develop and showcase their knowledge beyond the classroom

Understanding SEL Young Innovators



In the Shell NXplorers workshop, students will develop a deeper understanding of global issues related to the Food-Water-Energy nexus.



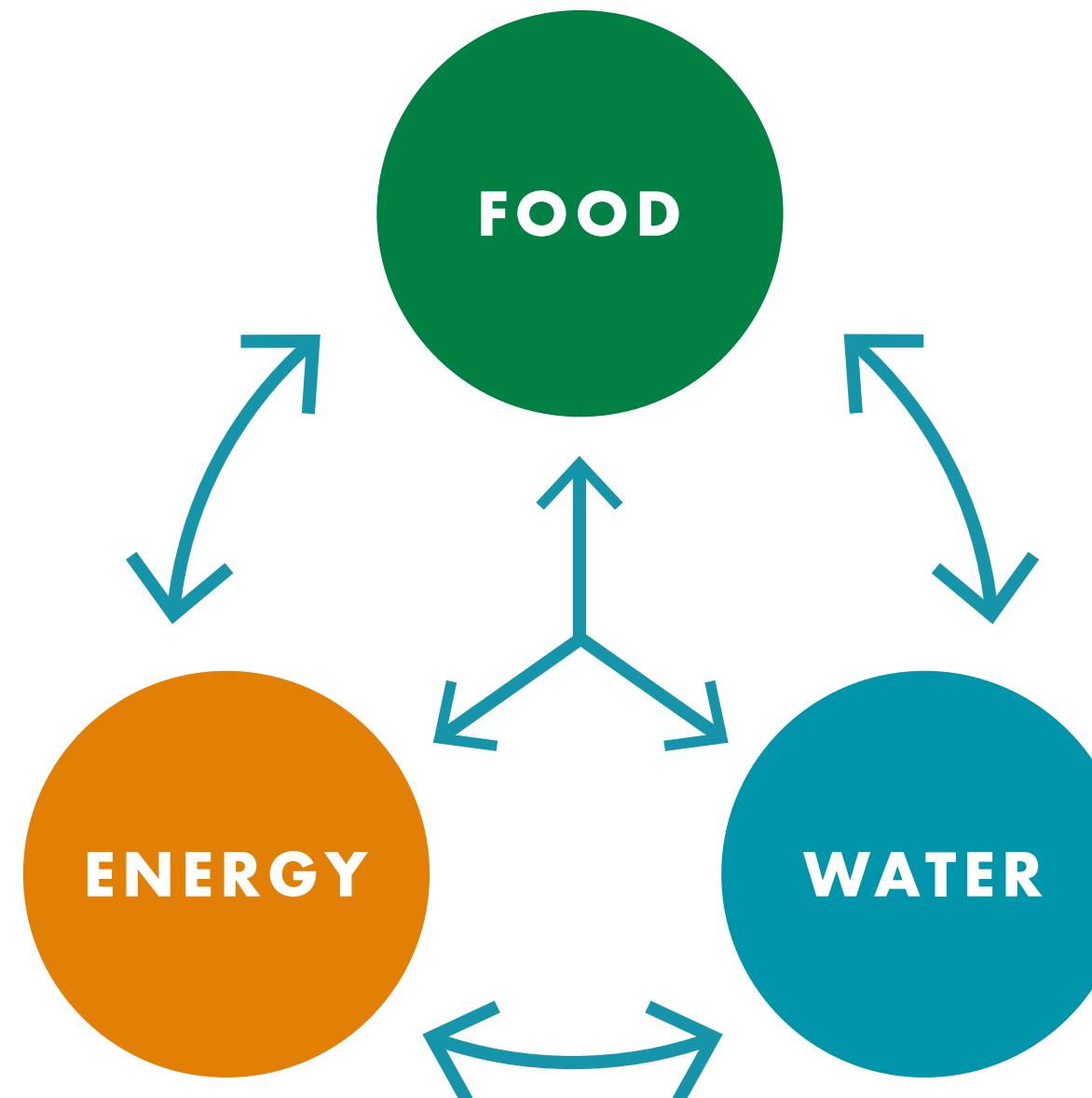
The Innovation Hub workshop offers the youth an opportunity to build essential 21st-century skills particularly in coding, design thinking, 3-D printing, and robotics.

What is Shell NXplorers?



Shell
NXplorers

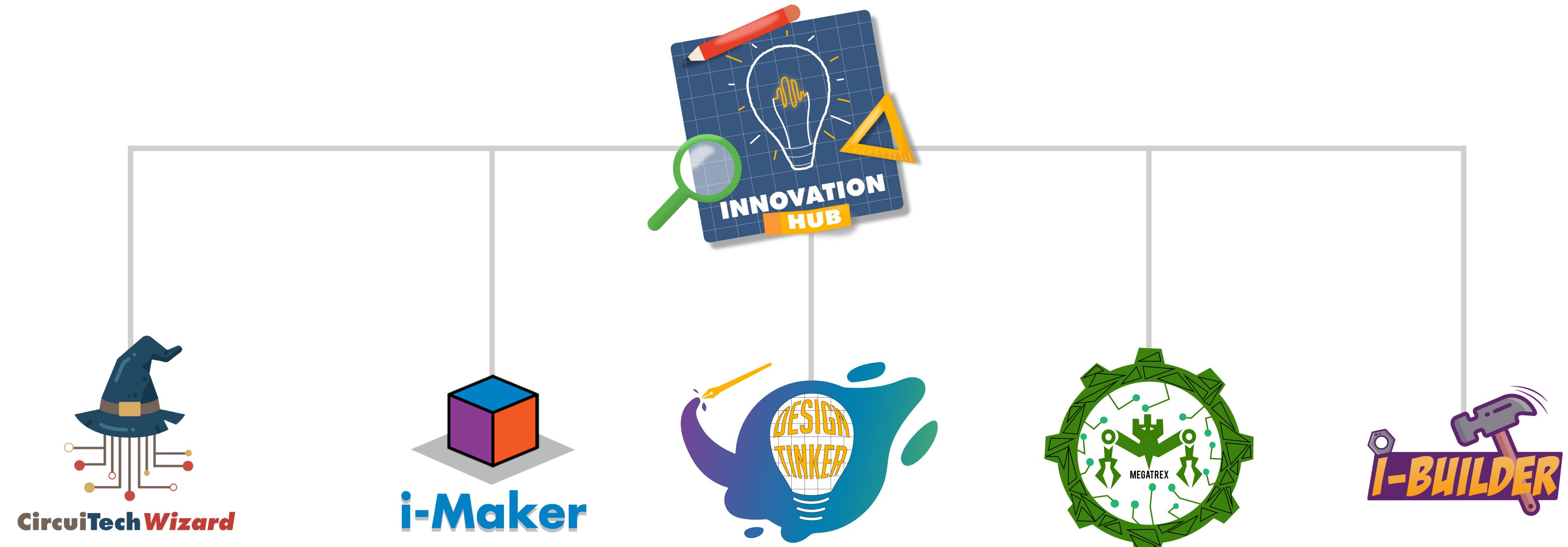
THE STRESS NEXUS



THE NX THINKING



What is Innovation Hub?

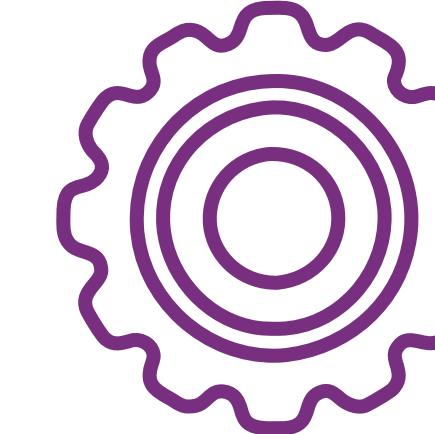


Objectives of SEL Young Innovators



NEW WAYS OF THINKING

- System Thinking
- Design Thinking
- Critical Thinking



21ST-CENTURY SKILLS

- Coding/Programming
- Robotics
- 3-D Printing

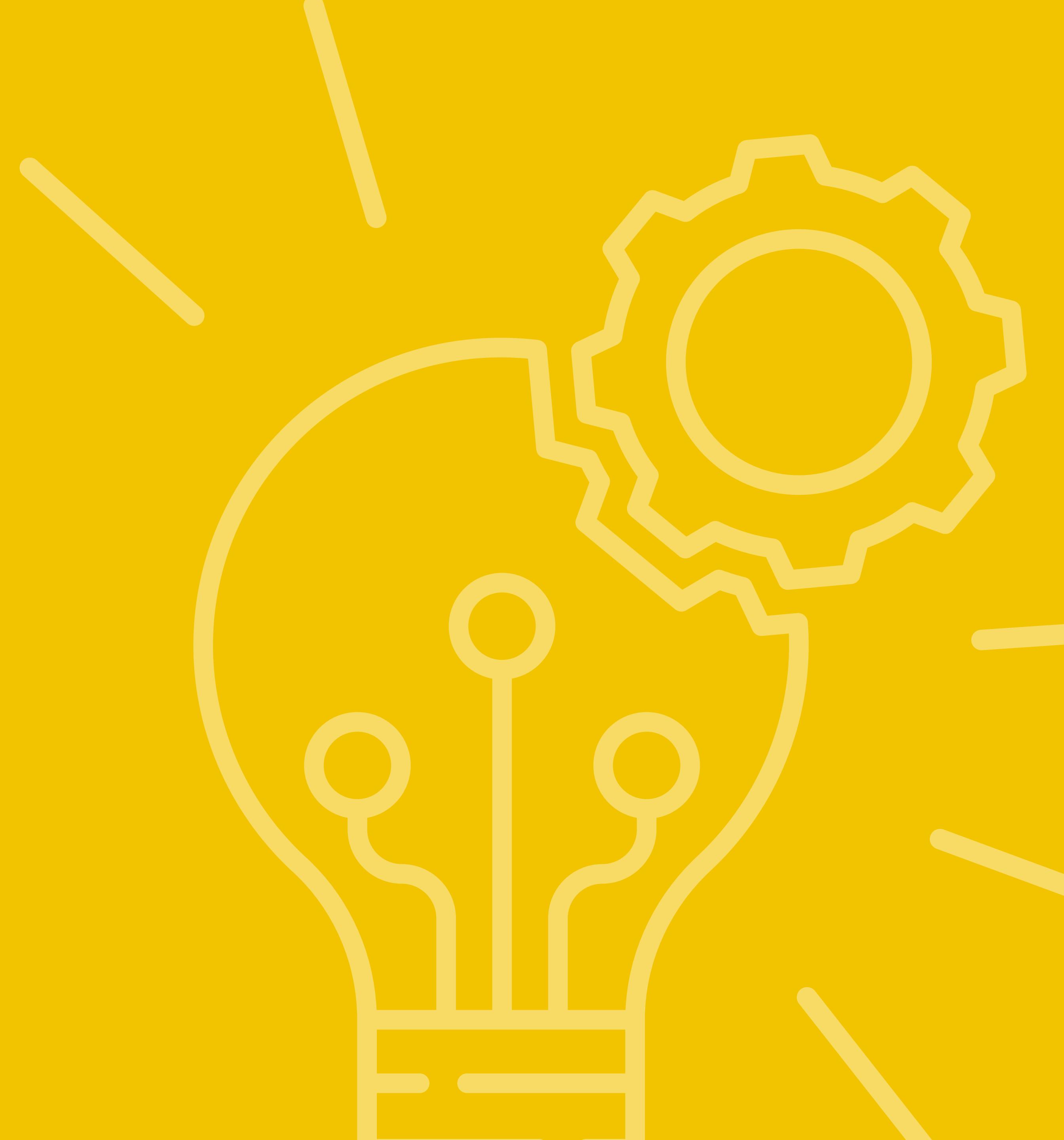


PROJECT-BASED LEARNING

- Proposal and Pitching
- Prototyping
- Tinkering

02

Program Eligibility



Who can join the program?



NEW!

Upper secondary level

Open to students in **Year 9** & **Year 10** from all schools in Brunei Darussalam

Upper primary level

Open to students in **Year 4** & **Year 5** from all schools in Brunei Darussalam

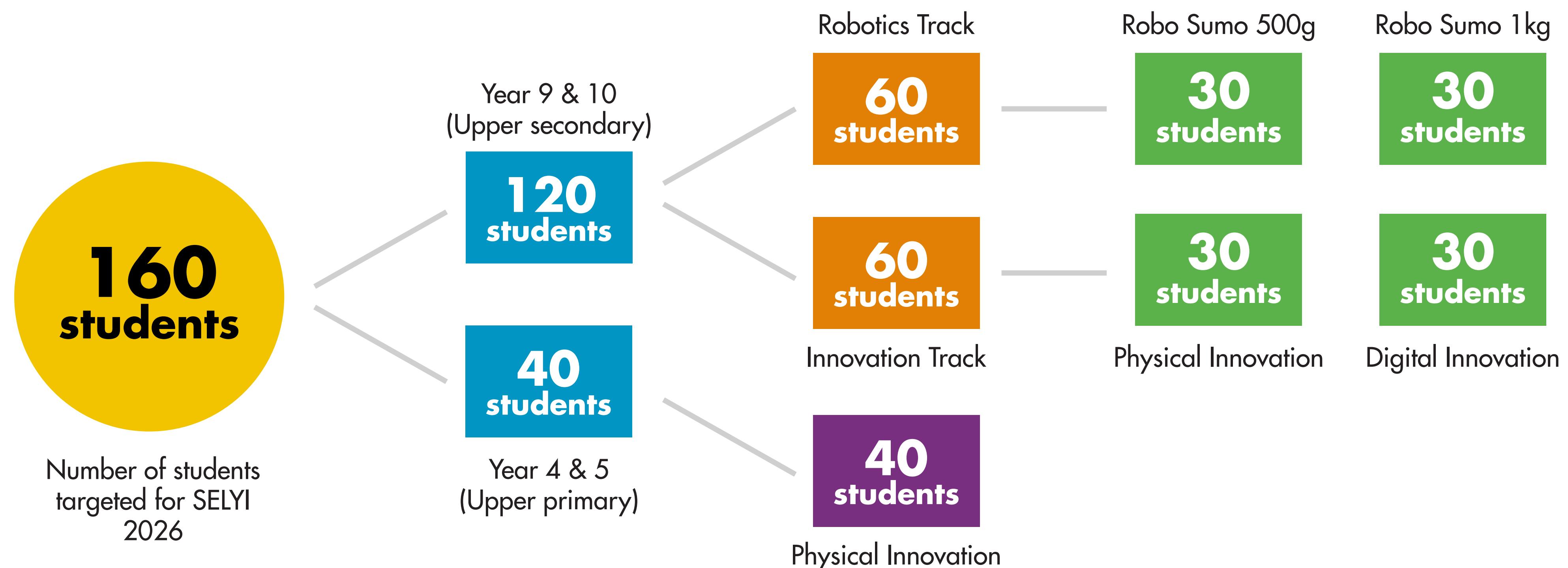
- * Open to beginners and experienced learners
- * Not necessary to have Science background

03

The Learning Experience



What will you do in SELYI?



Workshop paths

Year 9 &
Year 10
students

**Upper
secondary
level**

**Robotics
Track**

SUB-CATEGORIES

Robo Sumo 500g

Robo Sumo 1kg

Robo Sumo 3kg

**COMPULSORY
GENERAL
WORKSHOPS**

CircuiTech Wizard (CTW)

CircuiTech Wizard (CTW)

Refresher on CTW + Robo Sumo 3kg

**COMPULSORY
SPECIALIZED
WORKSHOPS**

Robo Sumo 500g

Robo Sumo 1kg

***Closed invitation only**

**COMPULSORY
GENERAL
WORKSHOPS**

**AI Ethics &
Shell NXplorers**

**AI Ethics &
Shell NXplorers**

**COMPULSORY
SPECIALIZED
WORKSHOPS**

**Design Tinker, 3D
Modelling and
Printing & Runlinc**

**Design Tinker &
MIT App Inventor**

Year 4 &
Year 5
students

**Upper
primary
level**

**Innovation
Track**

SUB-CATEGORIES

Physical Innovation

Digital Innovation

**COMPULSORY
WORKSHOP**

**Physical
Innovation**

Microbit

**COMPULSORY
GENERAL
WORKSHOPS**

**AI Ethics &
Shell NXplorers**

Workshop schedule

GENERAL WORKSHOPS	SPECIALIZED WORKSHOPS	
MAY - JULY	AUGUST	SEPTEMBER
25TH MAY – 30TH JULY <ul style="list-style-type: none">→ AI Ethics→ Shell NXplorers→ CircuiTech Wizard (CTW)→ Microbit <p>General workshops will be conducted by Supervising Teachers</p>	<p>→ 2ND AUGUST Design Tinker</p> <p>→ 30TH AUGUST 3D Modelling & Printing App Development</p>	<p>→ 4TH SEPTEMBER App Development</p> <p>→ 6TH SEPTEMBER App Development Runline</p> <p>→ 13TH SEPTEMBER Robo Sumo 500g Robo Sumo 1kg</p> <p>→ 20TH SEPTEMBER Robo Sumo 3kg</p>

04

Program Arrangements



Fees, materials and logistics



FEES & COSTS

Participation and registration are FREE of charge.



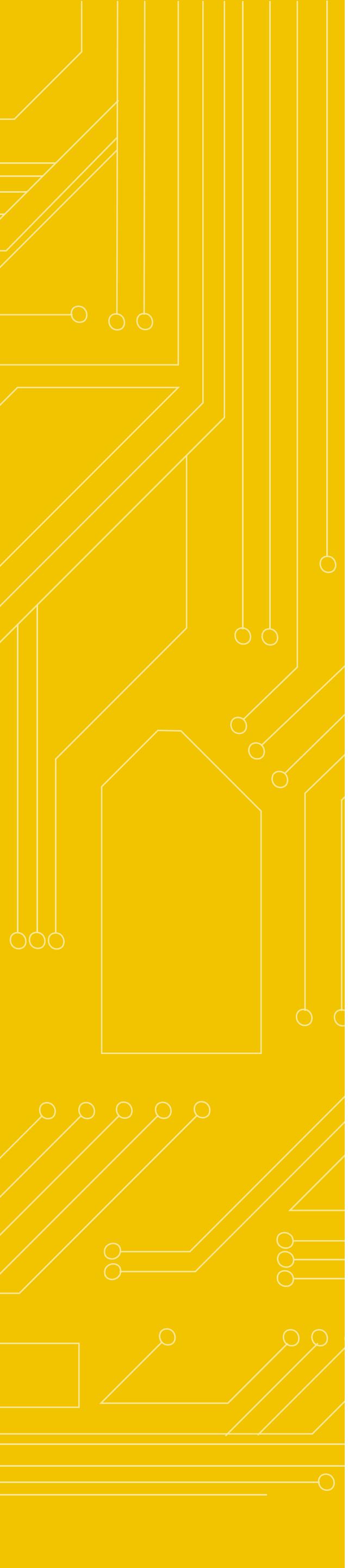
LEARNING MATERIALS & EQUIPMENT

- Learning workshop materials are provided, including access to the online learning management system (LMS) and robot kits.
- Schools are responsible for providing laptops or tablets for their students.



TRANSPORTATION & REFRESHMENT

- Transportation to Specialized Workshops will be arranged by both schools and the organizer.
- Lunch refreshments will be provided during Specialized Workshops only.



Safety and supervision

A safe learning environment includes

Emergency procedures and first aid readiness especially during Specialized Workshops

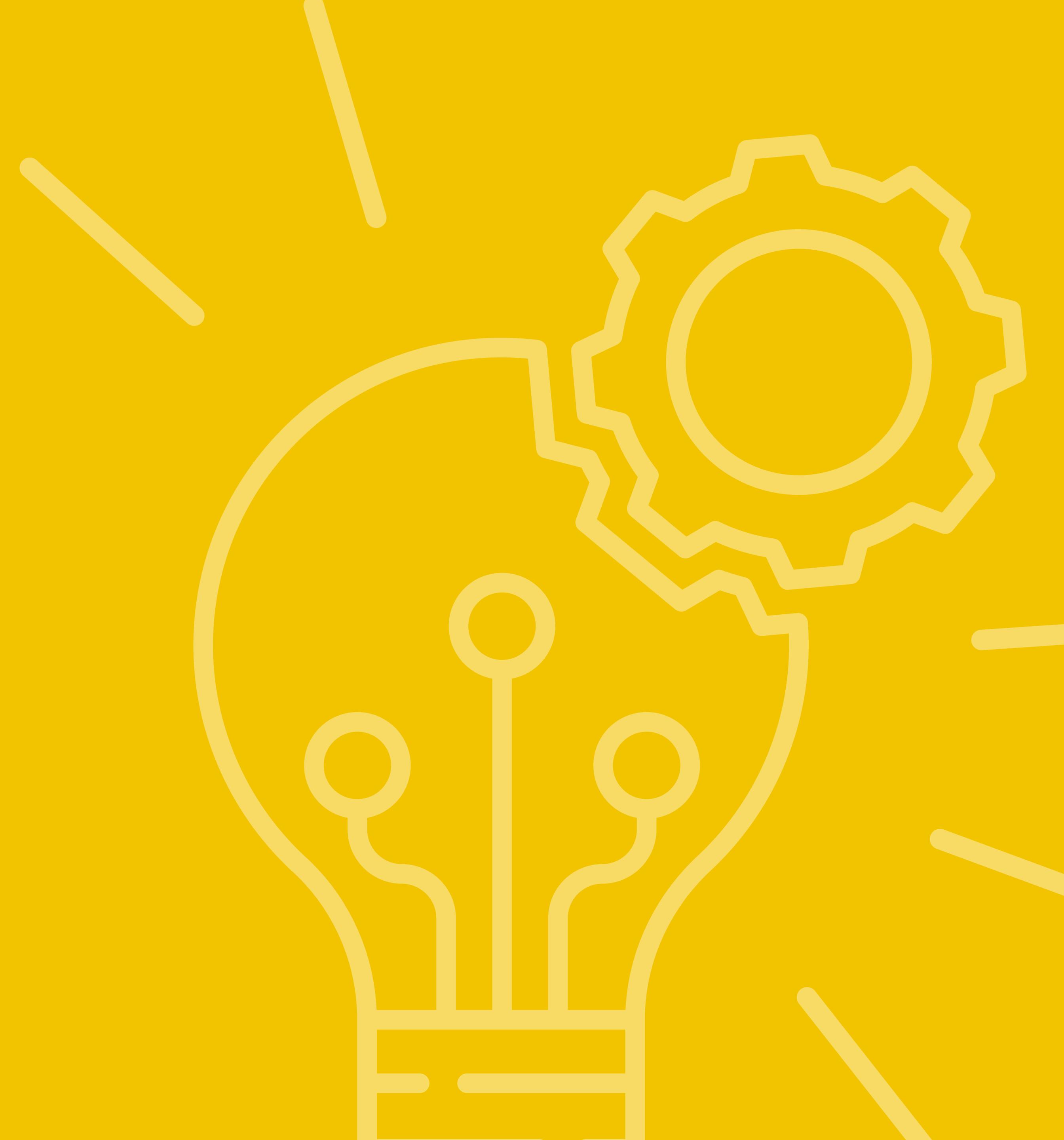
Supervision at all times by trained facilitators

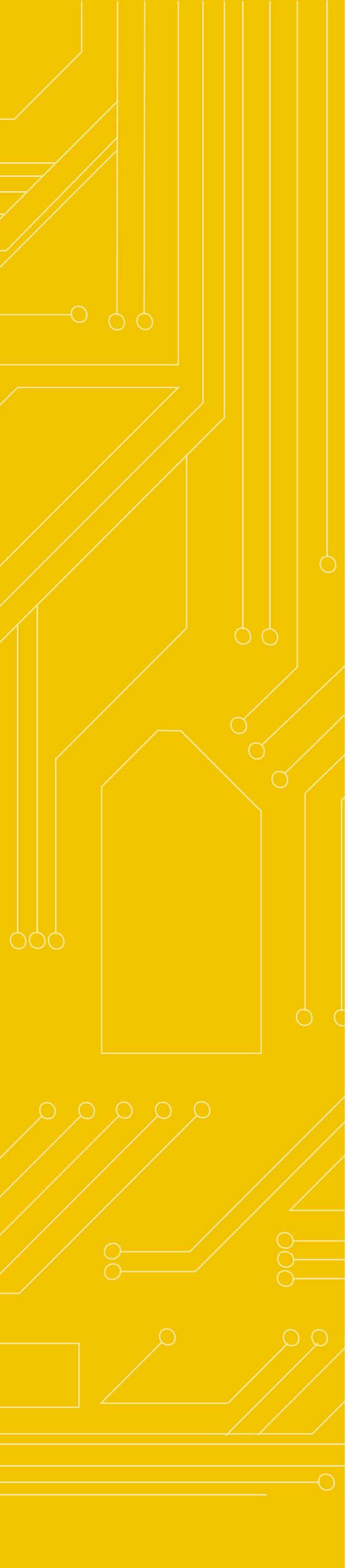
Student welfare as a priority throughout the programme

Clear safety and conduct guidelines in place

05

Learning Outcomes & Recognition





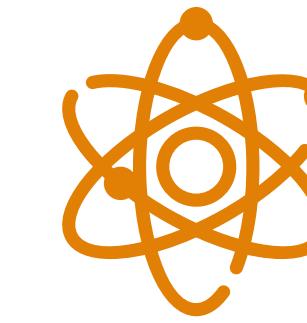
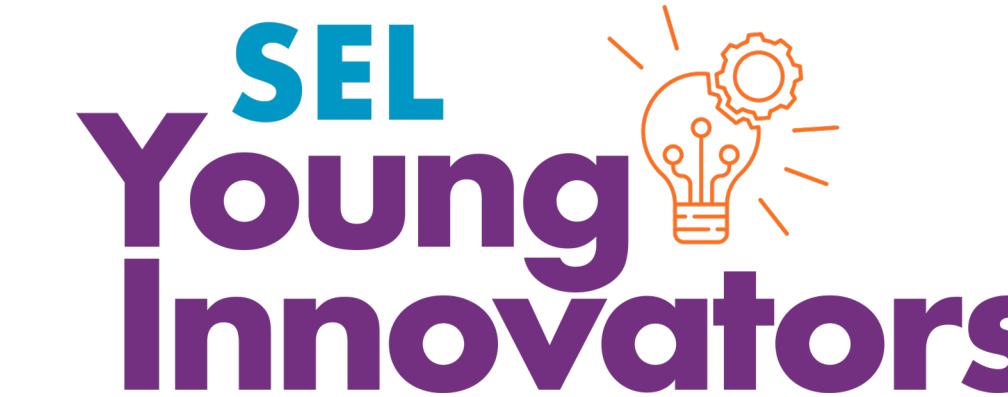
What will you gain?



Stronger problem-solving and communication skills



Certificate of Participation for those who participated in ALL of the workshops



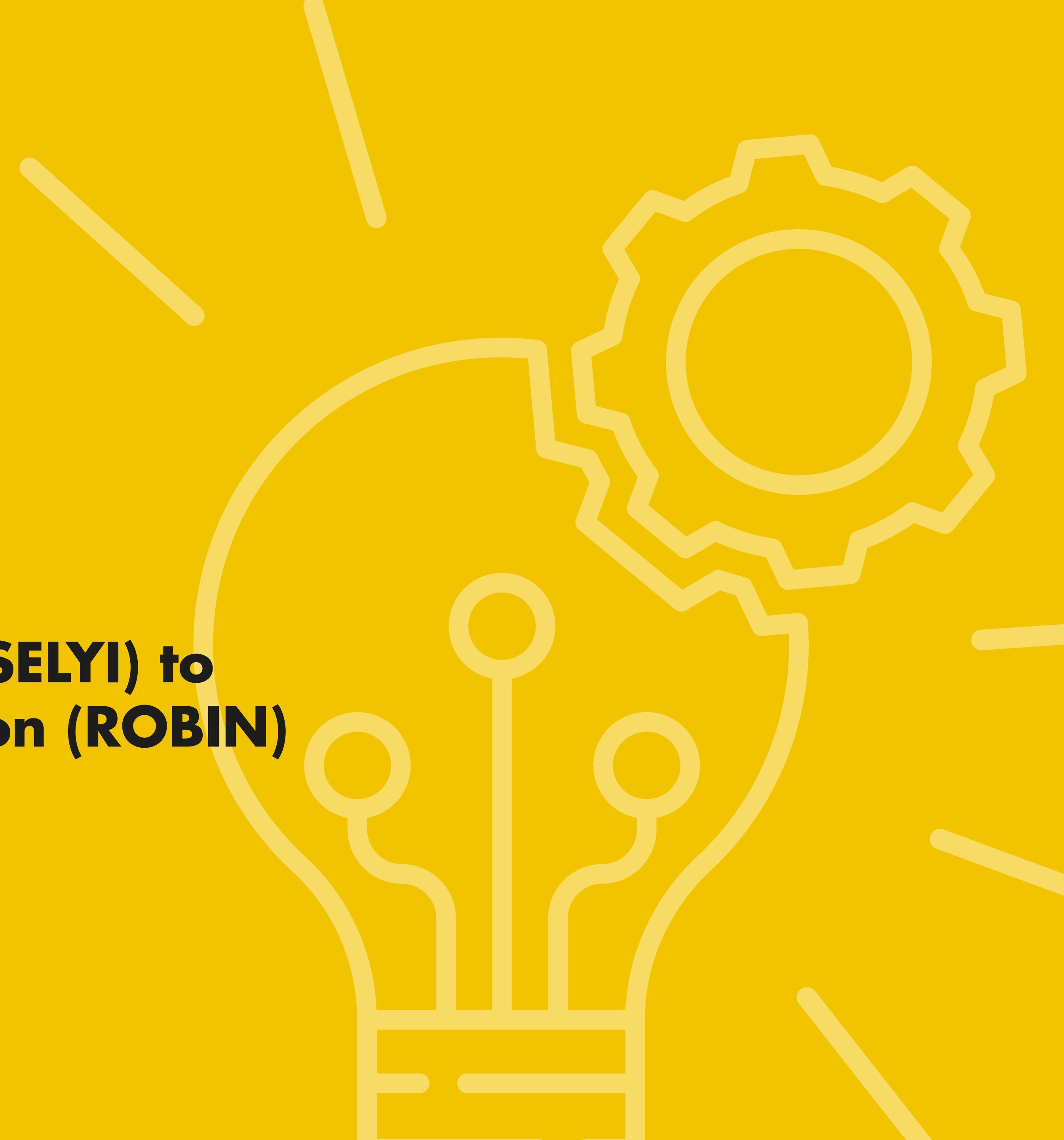
Increased confidence in innovation and technology awareness



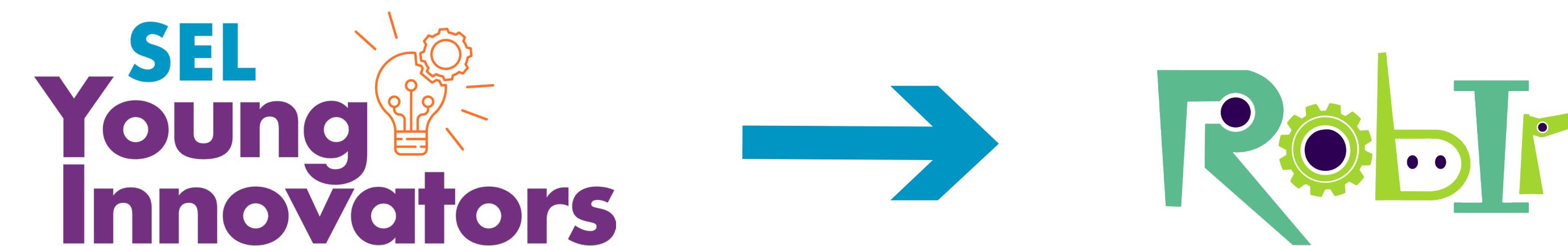
Opportunities for recognition and future programmes

06

SEL Young Innovators (SELYI) to Robotech and Innovation (ROBIN) Competition



What happens after SELYI?

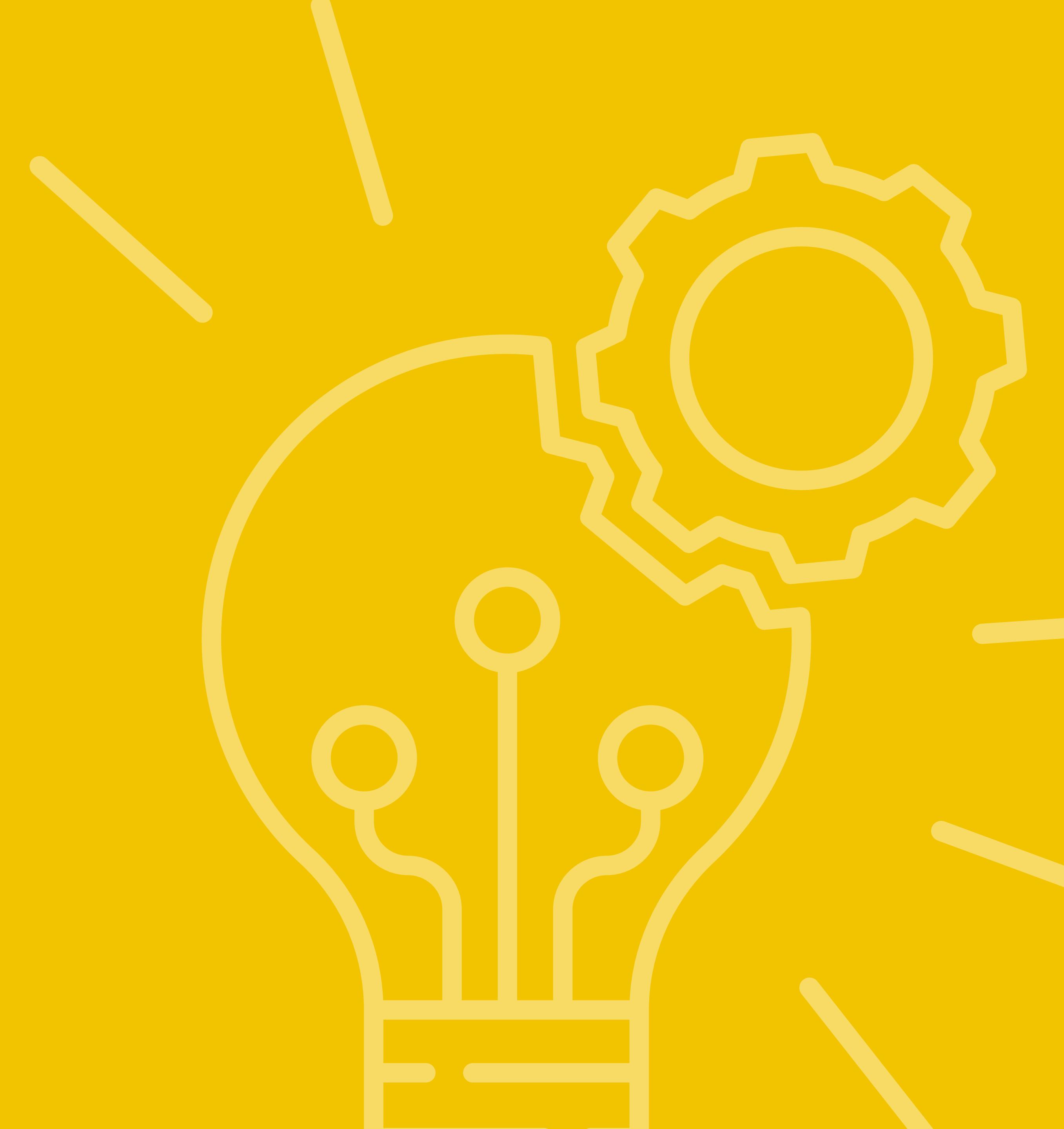


- All participants who has completed all the workshops relevant to their tracks during SELYI will automatically enter the national competition called the Robotech and Innovation (ROBIN) Competition.
- This year's ROBIN Competition is expected to be held on *Sunday, 22nd November 2026, at Pusat Insani Seria.
- Participants will have continued engagement opportunities with SEL for other programmes.
- Participants may rejoin future editions of SEL Young Innovators.

**Subject to change*

07

Registration for
**SEL Young Innovators
(SELYI) 2026**



How can you join?

- Simply scan the QR code below according to your level and complete all the required details



**Upper primary
level**

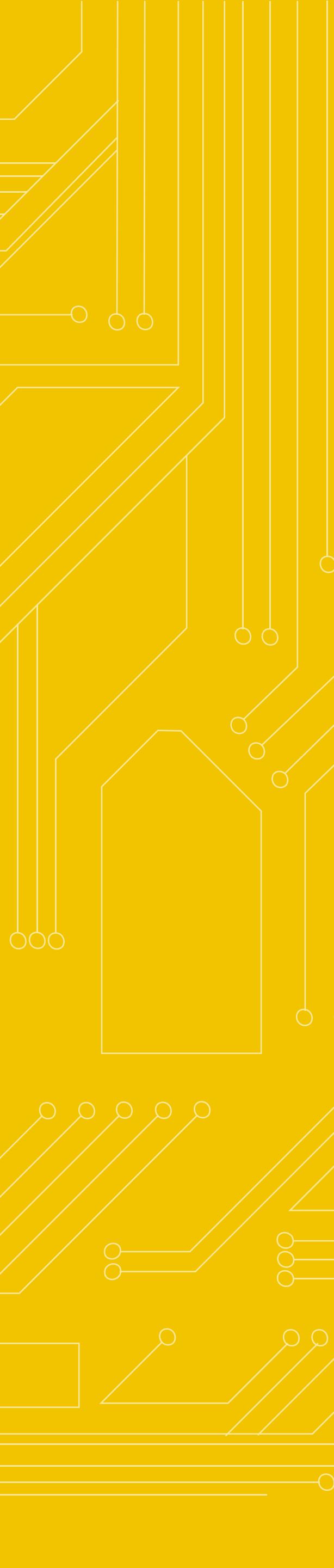


**Upper secondary
level**

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Contact Details





If you have any questions or concerns regarding the program, please do not hesitate to contact the program focal during working hours:

1. SELYI 2025 Project Manager

Dayang Amal Nazirah binti Mohamad Daud
amal.daud@seriaenergylab.com
+673-3377200 or +673-7207683

2. SELYI-ROBIN 2025 Partnership Coordinator & ROBIN 2025 Project Manager

Dayang Syadzwani binti Haji Sidek
syadzwani.sidek@seriaenergylab.com
+673-3377200 or +673-7191151

Seria Energy Lab Working Hours:

Monday – Thursday: 8:00AM to 5:00PM

Friday: 8:00AM to 12:00PM and 2:00PM to 5:00PM (12:00PM to 2:00PM closed for Friday prayers)

Saturday and Sunday: CLOSED



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