



**International House**  
London  
Young Learner Centres

# Future Leaders Inventors

With International House London - Young Learners Centres



**NEW**  
for 2026



# FL Inventors



**Future Leaders: Inventors** is one of our brand-new courses for 2026. It is an interactive, workshop-style course designed for teenage English language learners with a passion for science, technology, engineering, and mathematics. Through carefully crafted sessions, students explore the exciting world of 21st-century STEM, getting hands-on with topics like AI, robotics, and sustainable design.

Each session features fun experiments, creative problem-solving tasks, and teamwork challenges that encourage students to think critically and work collaboratively. By applying their knowledge in meaningful ways, learners build confidence and discover how STEM connects to everyday life.

**Language level:** B2 and above

**Course length:** 2 weeks

**Class size:** Max 20 sts

**Location:** Oxford

**Workshop sessions:** 15

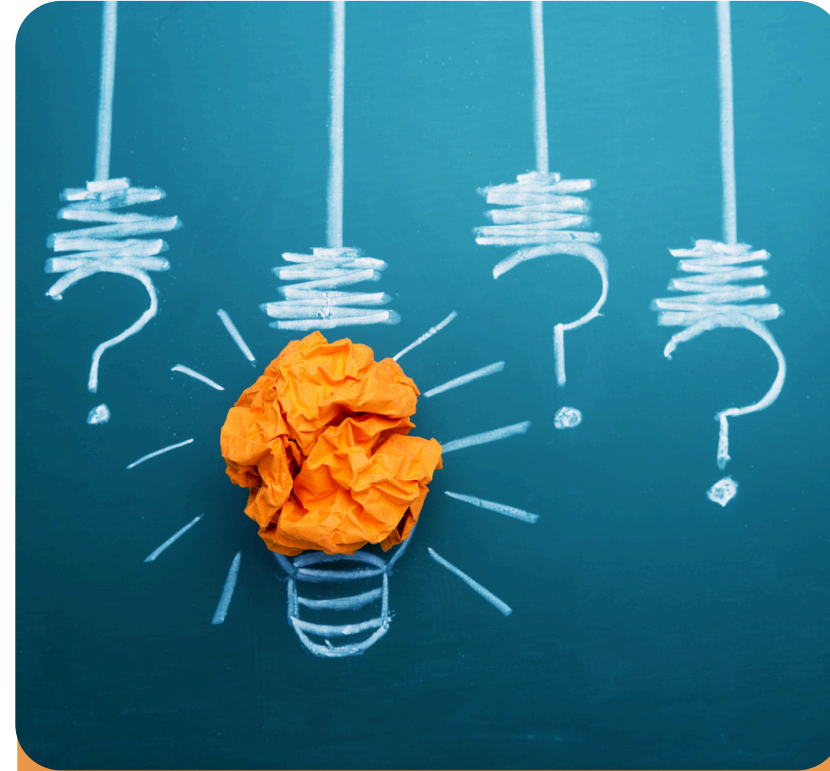


# Session titles



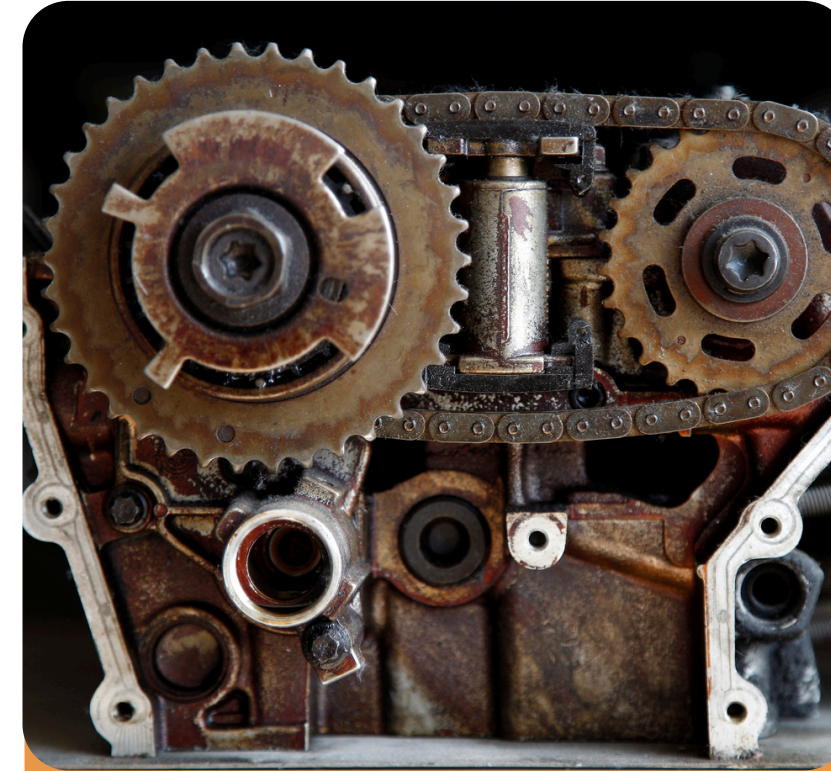
## Lego Lab

Build your own vision of the future using Lego. Explore basic engineering ideas while designing exciting machines and creations.



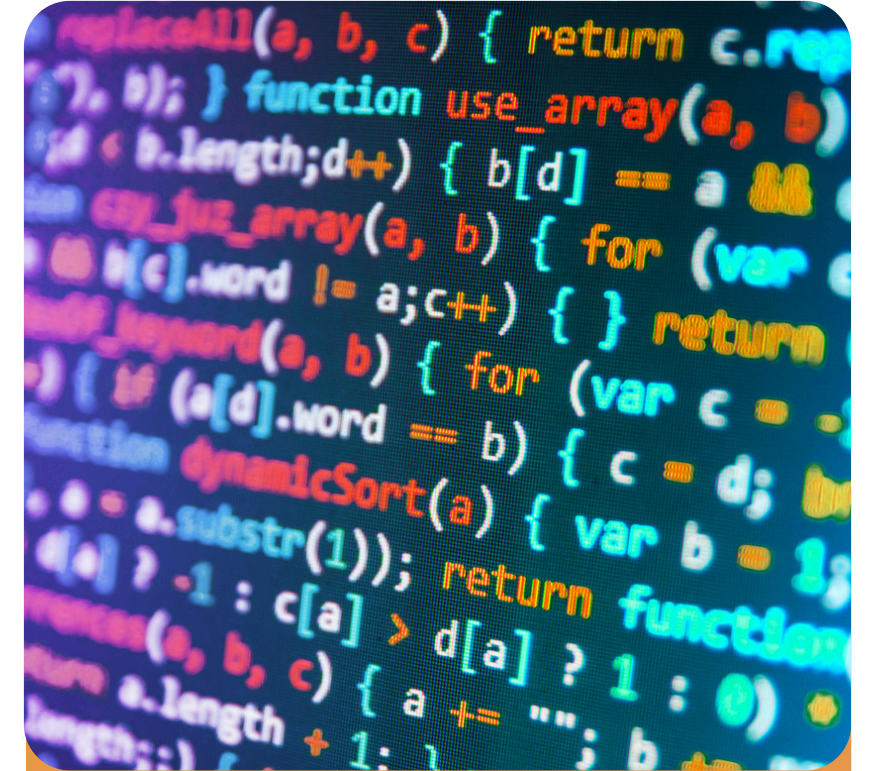
## Think smart

Test your brainpower with tricky puzzles and challenges. Learn to look at problems from different angles and find the smartest solutions.



## Machines in action

Discover how simple machines like levers and pulleys make work easier. Then build and test your own mini catapult with your team.



## Coding and computation thinking

Learn how coding works – without a computer! Play games, write step-by-step instructions, and create algorithms with your teammates.

# Session titles



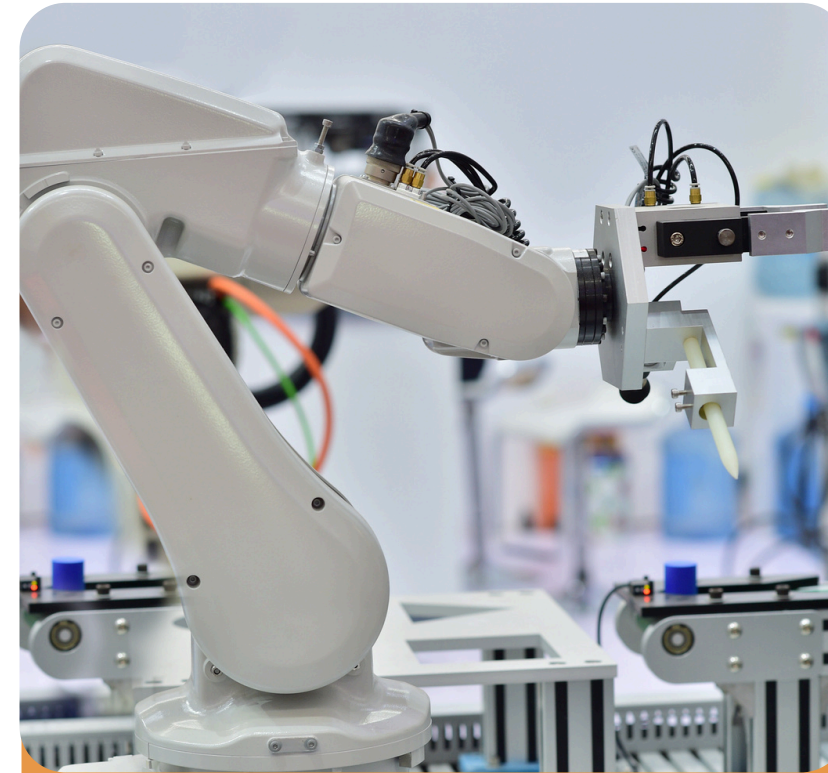
## Leadership

Find out what kind of leader you are. Try out different leadership styles in fun group activities and learn how to guide a team to success.



## Being creative

Ask “What if...?” and see where your imagination takes you. Create a new product with your team and build a story together with creative twists.



## Robotics and Ai

Explore how robots and AI are part of everyday life. Then use your imagination to design and build your own simple robot model.



## Sustainable innovation

Discover how inventors are making eco-friendly products. Then design your own using recycled materials to help protect the planet..

# Session titles



## Spark of genius

Turn ordinary objects into something extraordinary. Work with your group to invent creative new uses for the things around you.



## Presentations

Bring your ideas to life with a confident and engaging presentation. Work with your team to prepare, practise, and present like a pro.



## Team up to innovate

Think big and solve real problems! Brainstorm, design, and build a prototype of a gadget that could make life better.



## Plan and succeed

Work with your group to plan a project from start to finish. Create a clear plan, organise tasks, and beat the clock together.



# Session titles



## DIY Science: Craft Your Own Experiments

Become a scientist for the day! Use science kits to design and test your own experiments, and see what discoveries you can make.



## Decide and communicate

Face fun challenges where you must decide the best way forward. Learn how to share your ideas, listen to others, and make group decisions that work.



## Inventions that changed the World

Travel through time to discover the inventions that shaped our lives – from the wheel to the internet.



## Project time

Embark on a fun, creative journey, collaborating with students from around the world to put your ideas in action.

Week 1							Week 2									
Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10	Day 11	Day 12	Day 13	Day 14			
Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday			
Arrivals and welcome	Wake up Breakfast Morning Assembly						Wake up Breakfast Morning Assembly									
	Introduction to the programme	Lego Lab	Plan and Succeed	Full Day Excursion	Coding and Computational Thinking	Robotics and Artificial Intelligence	Academic Workshop	Spark of Genius	Sustainable Innovation	Full Day Excursion	Present with Power	Final Project Preparation	Final ceremony			
	Break				Break			Break			Break					
	Inventions That Changed the World	DIY Science: Craft Your Own Experiments	Think Smart		Expert-led Session	Being Creative	Academic Workshop	Group Work	Expert Session		Group Work	Final Project Preparation				
	Decide and Communicate	Half Day Excursion	Simple Machines in Action		Lead Like a Pro	Team up to Innovate	Group Work	Half Day Excursion	Group Work		Group Work	Final Project Preparation	Graduation and reflection session			
	Break				Break			Break			Break					
	Afternoon Activities	Afternoon Activities	Afternoon Activities		Afternoon Activities	Afternoon Activities	Afternoon Activities	Afternoon Activities	Afternoon Activities		Afternoon Activities	Afternoon Activities	Afternoon Activities	Afternoon Activities		
	Dinner House time Meet for evening activities						Dinner House time Meet for evening activities									
	Introduction to the programme / Icebreakers	Evening activities	London by night - evening walk		Film night	Scavenger/treasure hunt	Egg drop challenge	Quiz night	Film/TV night		Late night shopping in the West End	Karaoke	Board game evening	Talent show	Evening river cruise	Graduation/ Disco Night
	House Meeting House time Lights Out						House Meeting House time Lights Out									

## Future Leaders: inventors - Sample programme