

institute of imagination

iOi STEAM Live

Explorative workshops
championing STEAM for
KS1 & KS2

What's included?

- Interactive STEAM workshops for KS1 & KS2 broadcast live into your classroom from our studio
- Online, live Show and Tell session with your class to boost their confidence and oracy
- Access to ImagineED, our teacher training platform
- Fantastic resources (physical resources delivered to your school, digital resources including videos and activity guides!)
- All co-created with teachers to fit seamlessly across the curriculum.



What skills will children gain?

Nurturing **creativity**
and **curiosity**

Developing
critical thinking

Turning **aspiration**
into **achievement**

Developing confidence
and communication

Collaborative
learning

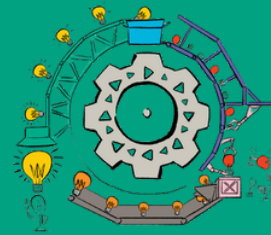
Mastering core
competencies



What workshops can I sign up for?

Summer 1

Save Make Reinvent



A playful and engaging way to introduce sustainability and the circular economy into the classroom. We look at how we can take used materials to empower children to apply their imagination to Save Make and Reinvent someone's waste into another person's treasure.

Natural Inks

Use scraps from fruit, veg and other ingredients from home or the school kitchen to extract natural inks to paint a picture and explore colour. What will happen when you experiment and add things like vinegar or cornflour?

KS1 - Monday 22 April 9:15-10:30 AM
KS2 - Monday 22 April 1:30-2:45 PM

Junk Bots

Use recyclable materials, hobby motors (provided) and your imagination to make moving junk robots to solve some of the biggest problems facing the environment. Maybe your junkbot can clear plastic from the ocean or suck up rubbish on the street and turn it into something new!

KS1 - Tuesday 23 April 9:15-10:30 AM
KS2 - Tuesday 23 April 1:30-2:45 PM

Digital Storytelling

Explore storytelling using stop motion animation and recyclable materials to bring your junk to life.

*Tablets with cameras required (1 per group of 3 or 4 children).

** Sign up to our first 2 workshops to make a backdrop using natural inks or use your junkbot as the star of your film!

KS1 - Wednesday 24 April 9:15-10:30 AM

KS2 - Wednesday 24 April 1:30-2:45 PM

Live teacher training with Stop Motion Animation - Wednesday
17th April 3:45-5:00 PM

Subject Links: Science, Electronics, DT, Art & Design, Computing

What workshops can I sign up for?

Summer 1

Imagine Me, Imagine You



Imagine Me, Imagine You explores the neuroscience of the brain to celebrate our differences, connecting the magic of what makes me, me, and what makes you, you. This theme will focus on creativity, resilience and self-regulation skills that help to support our wellbeing.

Balancing 'Me' Sculptures

Learn about balance, gravity, and mass to create a wire sculpture of your own special code that makes you unique. Your code could be made up of your dreams and what you care most about.

KS1 - Monday 13 May 9:15-10:30 AM
KS2 - Monday 13 May 1:30-2:45 PM

Laughing Automata Machines

Explore the neuroscience of laughter and design a fun machine with simple mechanical elements such as levers, cams and linkages that will make someone else laugh!

KS1 - Tuesday 14 May 9:15-10:30 AM
KS2 - Tuesday 14 May 1:30-2:45 PM

Coding Our Emotions

Design and create a video-sensing game, using SCRATCH to refocus your emotions. Will you make one to help energise you or calm down?

* Laptops or tablets required (1 per group of 3 or 4 children).

KS1 - Wednesday 15 May 9:15-10:30 AM
KS2 - Wednesday 15 May 1:30-2:45 PM

Live teacher training with SCRATCH - Wednesday 8th May 3:45- 5:00 PM

Subject Links: Science, PSHE, Computing and DT

What workshops can I sign up for?

Summer 2

Wild Eco Builders



Wild Eco Builders delves into how the science of nature can inspire us to imagine creative sustainable solutions when designing architecture and inventions for the cities and communities we live in.

Nature's Engineers

Explore how the geometry of plants and nature can inspire us to build and experiment with architecture. Use paper sculpting and cutting techniques to create your own 3D designs.

KS1 - Monday 17 June 9:15-10:30 AM
KS2 - Monday 17 June 1:30-2:45 PM

Wild Cities

Co-created with and supported
by the LEGO Group.



Be inspired by animals' traits and characteristics to design places and spaces that are best suited to their surroundings such as land or water. As a class, use recyclable materials to build a whole city!

* LEGO bricks not required
KS1 - Tuesday 18 June 9:15-10:30 AM
KS2 - Tuesday 18 June 1:30-2:45 PM

Coding Eco Places



Use micro:bit or CoSpaces to code and design the sustainable buildings of the future, and challenge how we can innovate, design and invent interactive prototypes.

* For CoSpaces, laptops or tablets are required ((1 per group of 3-4 children)
* For micro:bit, laptops and micro:bits are required (1 per group of 3-4 children)

KS2 - Wednesday 19 June 9:15-11:15 AM
(CoSpaces)
KS2 - Wednesday 19 June 1:00-3:00 PM
(micro:bit)

Live teacher training - CoSpaces - Tuesday 4th June 3:45-5:00 PM
Live teacher training - micro:bit - Wednesday 5th June 3:45-5:00 PM

Subject Links: Science, Maths, Computing, Art & Design, DT

What workshops can I sign up for?

Autumn 1

Imagine Me, Imagine You



Imagine Me, Imagine You explores the neuroscience of the brain to celebrate our differences, connecting the magic of what makes me, me, and what makes you, you. This theme will focus on creativity, resilience and self-regulation skills that help to support our wellbeing.

Balancing 'Me' Sculptures

Learn about balance, gravity, and mass to create a wire sculpture of your own special code that makes you unique. Your code could be made up of your dreams and what you care most about.

KS1 - Monday 23 September 9:15-10:30 AM
KS2 - Monday 23 September 1:30-2:45 PM

Laughing Automata Machines

Explore the neuroscience of laughter and design a fun machine with simple mechanical elements such as levers, cams and linkages that will make someone else laugh!

KS1 - Tuesday 24 September 9:15-10:30 AM
KS2 - Tuesday 24 September 1:30-2:45 PM

Coding Our Emotions

Design and create a video-sensing game, using SCRATCH to refocus your emotions. Will you make one to help energise you or calm down?

* Laptops or tablets required (1 per group of 3 or 4 children).

KS1 - Wednesday 25 September 9:15-10:30 AM
KS2 - Wednesday 25 September 1:30-2:45 PM

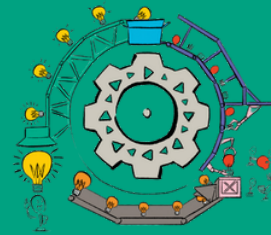
Live teacher training with SCRATCH - Wednesday 11th September 3:45- 5:00 PM

Subject Links: Science, PSHE, Computing and DT

What workshops can I sign up for?

Autumn 1

Save Make Reinvent



A playful and engaging way to introduce sustainability and the circular economy into the classroom. We look at how we can take used materials to empower children to apply their imagination to Save Make and Reinvent someone's waste into another person's treasure.

Natural Inks

Use scraps from fruit, veg and other ingredients from home or the school kitchen to extract natural inks to paint a picture and explore colour. What will happen when you experiment and add things like vinegar or cornflour?

KS1 - Monday 14 October 9:15-10:30 AM
KS2 - Monday 14 October 1:30-2:45 PM

Junk Bots

Use recyclable materials, hobby motors (provided) and your imagination to make moving junk robots to solve some of the biggest problems facing the environment. Maybe your junkbot can clear plastic from the ocean or suck up rubbish on the street and turn it into something new!

KS1 - Tuesday 15 October 9:15-10:30 AM
KS2 - Tuesday 15 October 1:30-2:45 PM

Digital Storytelling

Explore storytelling using stop motion animation and recyclable materials to bring your junk to life.

*Tablets with cameras required (1 per group of 3 or 4 children).

** Sign up to our first 2 workshops to make a backdrop using natural inks or use your junkbot as the star of your film!

KS1 - Wednesday 16 October 9:15-10:30 AM
KS2 - Wednesday 16 October 1:30-2:45 PM
Live teacher training with Stop Motion Animation -
Wednesday 9th October 3:45-5:00 PM

Subject Links: Science, Electronics, DT, Art & Design, Computing

What workshops can I sign up for?

Autumn 2

Wild Eco Builders



Wild Eco Builders delves into how the science of nature can inspire us to imagine creative sustainable solutions when designing architecture and inventions for the cities and communities we live in.

Nature's Engineers

Explore how the geometry of plants and nature can inspire us to build and experiment with architecture. Use paper sculpting and cutting techniques to create your own 3D designs.

KS1 - Monday 25 November 9:15-10:30 AM
KS2 - Monday 25 November 1:30-2:45 PM

Wild Cities

Co-created with and supported
by the LEGO Group.



Build
THE Change

Be inspired by animals' traits and characteristics to design places and spaces that are best suited to their surroundings such as land or water. As a class, use recyclable materials to build a whole city!

*LEGO bricks not required

KS1 - Tuesday 26 November 9:15-10:30 AM
KS2 - Tuesday 26 November 1:30-2:45 PM

Coding Eco Places



Use micro:bit or CoSpaces to code and design the sustainable buildings of the future, and challenge how we can innovate, design and invent interactive prototypes.

* For CoSpaces, laptops or tablets are required ((1 per group of 3-4 children)

*For micro:bit, laptops and micro:bits are required (1 per group of 3-4 children)

KS2 - Wednesday 27 November 9.15-11.15 AM
(Cospaces)
KS2 - Wednesday 27 November 1:00-3:00 PM
(micro:bit)

Live teacher training - CoSpaces - Tuesday 12th November 3:45-5:00 PM
Live teacher training - micro:bit - Wednesday 13th November 3:45-5:00 PM

Subject Links: Science, Maths, Computing, Art & Design, DT

Who is the Institute of Imagination (iOi)?

Empowering children to reimagine the future.



The Institute of Imagination (iOi) is a well-established and pioneering education charity. We work with parents, teachers, youth and community leaders and academics. We design and deliver creative learning experiences across the arts, sciences and digital technologies for children aged 5-11 years old. These experiences empower children today to believe they can build a just, fair and sustainable world tomorrow.

[Click here to find out more and sign up.](#)

Get in touch: schools@ioi.london

