

# institute of imagination

## iOi STEAM Live

Explorative workshops  
championing STEAM for  
KS1 & KS2

### What's included?

- Online and live teacher training, KS1 & KS2 cross-curricular workshops championing STEAM, show and tell
- Workshops broadcast live into your classroom from our studio at School 360 in East London
- Fantastic resources (physical resources delivered to your school, digital resources including videos and activity guides!)
- Co-created with teachers to fit seamlessly into the curriculum.



# What skills will children gain?

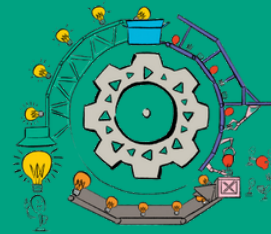


# What workshops can I sign up for?

## Spring 1

Live teacher training with Stop Motion Animation when you sign up for the Digital Storytelling workshop.

## 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

Using scraps from fruit, veg and other ingredients from your own school kitchen to extract natural inks to paint pictures and explore colour.

KS1 - Monday 29 January 9:15-10:30 AM  
KS2 - Monday 29 January 1:30-2:45 PM

### Junk Bots

Using recyclable materials, crafts, and hobby motor circuitry to make moving junk robots.

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

### Digital Storytelling

Exploring stop motion animation to bring storytelling to life.

\*You will need iPads or Tablets for this workshops (1 per group of 3 or 4 children).

KS1 - Wednesday 31 January 9:15-10:30 AM  
KS2 - Wednesday 31 January 1:30-2:45 PM

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

# What workshops can I sign up for?

## Spring 2

Live teacher training with SCRATCH when you sign up for the Coding Our Emotions workshop.

# 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

Using balance, gravity, and mass to create sculptures out of everyday objects to explore neuroscience and our unique secret code.

KS1 - Monday 26 February 9:15-10:30 AM

KS2 - Monday 26 February 1:30-2:45 PM

## Laughing Automata Machines

Exploring the neuroscience of laughter with simple mechanical elements such as levers, cams and linkages, to activate the brain's 'feel-good' transmitters.

KS1 - Tuesday 27 February 9:15-10:30 AM

KS2 - Tuesday 27 February 1:30-2:45 PM

## Coding Our Emotions

\*You will need laptops, iPads or Tablets (1 per group of 3 or 4 children).

Inventing, designing, and engineering using SCRATCH to explore emotions and facial expressions.

KS1 - Wednesday 28 February 9:15-10:30 AM

KS2 - Wednesday 28 February 1:30-2:45 PM

**Subject Links: Science, PSHE, Coding/Computing**



# What workshops can I sign up for?

## Spring 2

Live teacher training with micro:bit and CoSpaces when you sign up for the Coding Eco Places workshop.

### 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

Exploring how the geometry of plants and nature can inspire us to build and experiment with architecture for communities we live in.

KS1 - Monday 18 March 9:15-10:30 AM  
KS2 - Monday 18 March 1:30-2:45 PM

#### Wild Cities



Build  
THE Change

Co-created with and supported  
by the LEGO Group.

Using animals' traits and characteristics to design places and spaces that are best suited to their surroundings such as land or water.

KS1 - Tuesday 19 March 9:15-10:30 AM  
KS2 - Tuesday 19 March 1:30-2:45 PM

#### Coding Eco Places

micro:bit



Coding sustainable development solutions using micro:bit and CoSpaces to design the buildings of the future, and challenge how we can innovate, design and invent interactive prototypes.

KS2 - Wednesday 20 March 9:15-11:15 AM  
KS2 - Wednesday 20 March 1:00-3:00 PM

**Subject Links: Science, Maths, Coding/Computing, Art & Design, DT**

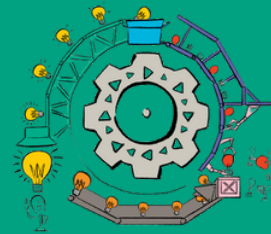
\*You will need laptops, iPads or Tablets (1 per group of 3 or 4 children).

# What workshops can I sign up for?

## Summer 1

Live teacher training with Stop Motion Animation when you sign up for the Digital Storytelling workshop.

## 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

Using scraps from fruit, veg and other ingredients from your own school kitchen to extract natural inks to paint pictures and explore colour.

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

### Junk Bots

Using recyclable materials, crafts, and hobby motor circuitry to make moving junk robots.

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

### Digital Storytelling

Exploring stop motion animation to bring storytelling to life.

\*You will need iPads or Tablets for this workshops (1 per group of 3 or 4 children).

KS1 - Wednesday 24 April 9:15-10:30 AM  
KS2 - Wednesday 24 April 1:30-2:45 PM

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

# What workshops can I sign up for?

## Summer 2

Live teacher training with SCRATCH when you sign up for the Coding Our Emotions workshop.

# 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

Using balance, gravity, and mass to create sculptures out of everyday objects to explore neuroscience and our unique secret code.

KS1 - Monday 13 May 9:15-10:30 AM

KS2 - Monday 13 May 1:30-2:45 PM

## Laughing Automata Machines

Exploring the neuroscience of laughter with simple mechanical elements such as levers, cams and linkages, to activate the brain's 'feel-good' transmitters.

KS1 - Tuesday 14 May 9:15-10:30 AM

KS2 - Tuesday 14 May 1:30-2:45 PM

## Coding Our Emotions

\*You will need laptops, iPads or Tablets (1 per group of 3 or 4 children).

Inventing, designing, and engineering using SCRATCH to explore emotions and facial expressions.

KS1 - Wednesday 15 May 9:15-10:30 AM

KS2 - Wednesday 15 May 1:30-2:45 PM

**Subject Links: Science, PSHE, Coding/Computing**

# What workshops can I sign up for?

## Summer 2

Live teacher training with micro:bit and CoSpaces when you sign up for the Coding Eco Places workshop.

### 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

Exploring how the geometry of plants and nature can inspire us to build and experiment with architecture for communities we live in.

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

#### Wild Cities



Build  
THE Change

Co-created with and supported  
by the LEGO Group.

Using animals' traits and characteristics to design places and spaces that are best suited to their surroundings such as land or water.

KS1 - Tuesday 18 June 9:15-10:30 AM  
KS2 - Tuesday 18 June 1:30-2:45 PM

#### Coding Eco Places

micro:bit



Coding sustainable development solutions using micro:bit and CoSpaces to design the buildings of the future, and challenge how we can innovate, design and invent interactive prototypes.

KS1 - Wednesday 19 June 9:15-11:15 AM  
KS2 - Wednesday 19 June 1:00-3:00 PM

**Subject Links: Science, Maths, Coding/Computing, Art & Design, DT**

\*You will need laptops, iPads or Tablets (1 per group of 3 or 4 children).



# Who are 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.

**[schools@ioi.london](mailto:schools@ioi.london)**

