

# Lab Live: Why oh Why? with OKIDO

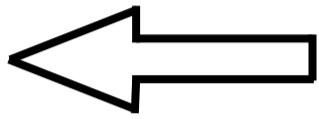
## Imagination Lab

- 18. Aeronautical Engineer (Sunday only)
- 19. OKIDO Sound
- 20. Messy goes to OKIDO Screening
- 21. iOi Hexbugs
- 22. Qatar Children's Museum
- 23. iOi Ozobots



toilets

refreshments



## Art

- 12. OKIDO Atoms
- 13. Square Egg Studio

## Maths

- 6. Squint/Opera City (Saturday only)
- 7. OKIDO Maths Game

## Technology

- 14. Easy Coding Club
- 15. AugmentifyIt
- 16. Code Kids Robotics
- 17. Mama Codes

## Engineering

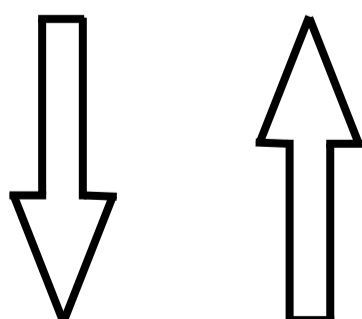
- 9. e2 Young Engineers
- 10. OjO Float
- 11. iOi LEGO WeDo

## Science

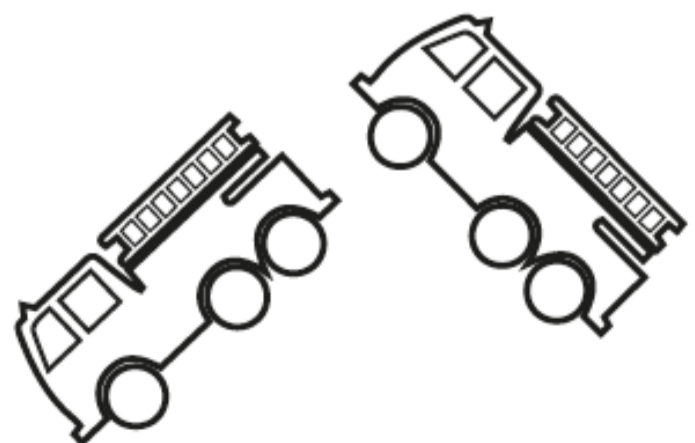
- 1. iOi Science of Sound
- 2. OKIDO Gravity
- 3. OKIDO Rockets
- 4. OKIDO X-ray
- 5. Centre of the Cell

shop

toilets



reception/entrance



## Lab Live: Why oh Why? with OKIDO

1. **iOi Science of Sound:** How does sound affect your emotions? Explore how sound influences your experience of film and create your own sounds to accompany moving images and evoke different emotions with the viewer.
2. **OKIDO Gravity:** Why do I fall? Join OKIDO for an exploration of the most bizarre force of all, gravity.
3. **OKIDO Rockets:** What causes lift-off? Make your own rocket and launch it into space!
4. **OKIDO X-ray:** What's inside my body? We will be making and decorating X-ray glasses to see inside a picture of the human body.
5. **Centre of the Cell:** What happens when we get hurt? How do our bodies smell? Explore human biology and find out how our bodies make scabs, plus put your sense of smell to the test with our smell pot challenge!
6. **Squint/Opera City (Saturday only):** What makes a city? What do we need to make a city? Come and build your own cardboard city.
7. **OKIDO Maths Game:** Join OKIDO for a giant, engaging mathematical game.
8. **Archihihhi:** Why am I strong? Learn all about shapes and then build your own structure.
9. **e2 Young Engineers:** How does it work? Learn about how science, engineering and mathematics work in everyday objects, such as a transmission belt. Sessions take place every hour, on the hour, and last 45 minutes. Sign up at the stand.
10. **OjO Float:** Will it float? Use your engineering and creative skills, plus a selection of everyday items, to construct something that floats.
11. **iOi Lego WeDo:** How can robots clean the planet? Build your own cleaning robot and code it to move. Help to remove litter from our homemade paper river.
12. **OKIDO Atoms:** What am I made of? Come and learn about atoms with OKIDO and make a fun atomic picture to take home.
13. **Square Egg Studio:** What is my habitat? Work together to create a collaborative, creative illustration and have fun while learning.
14. **Easy Coding Club:** How do I work? Explore how things work by building motorised robots and bringing them to life using motors, sensors and coding.
15. **AugmentifyIt:** Why do caterpillars turn into butterflies? Design and decorate a bookmark and watch it come to life with augmented reality.
16. **Code Kids Robotics:** How do robots move? Put LEGO models into motion with the use of motors and work out the relationship between forces and motion.
17. **Mama Codes:** Why do I move? Explore and animate movement using the ScratchJr app.
18. **Aeronautical Engineer (Sunday only):** How do I fly? Come and build a paper aeroplane with Arun, an aeronautical engineer. Test your creation in our wind tunnel.
19. **OKIDO Sound:** Why do I hear? Learn about sound vibrations using our big telecommunication device and see how far your message can go.
20. **Messy goes to OKIDO Screening:** Messy Monster asks everyday science questions then goes to OKIDO to find out the answers.
21. **iOi Hexbugs:** How do creatures live in the ocean? Use little Hexbug robots to create moving sea creatures and explore their habitats. Test out how your creature will cope with the challenges they encounter in their habitats, like plastics.
22. **Qatar Children's Museum:** How do animals live in Qatar? Get to know some Arabian native animal species and their distinctive features. Use paper circuits and electronics to design comfortable spaces for them.
23. **iOi Ozobots:** What is colour coding? These Ozobot robots can be coded and directed by programming them through colour. Join the challenge and make an Ozobot coding course!