

# REDISCOVERY CENTRE



The Rediscovery Centre is a creative space connecting people ideas and resources. We bring together the skills and expertise of artists, scientists, designers and craftsmen, united in a common purpose of sustainability, resource efficiency and reuse.

Rediscovery Centre's Education Programme provides a variety of exciting workshops that are based on hands-on enquiry and experiential learning. Our workshops for primary schools are linked to the primary curriculum. Workshops can be delivered either in our centre, in your own classroom, or virtually online.

Our educators are trained in the delivery of environmental education and are Garda vetted. The Rediscovery Centre is an accredited SFI Discover Centre.



## STEM & Sustainability Project

The Rediscovery Centre's STEM and Sustainability project is a national programme for education and public engagement delivering a suite of education workshops, programmes and events on sustainability and STEM topics. The project aims to educate students, teachers and members of the public on the science of sustainability, by examining and exploring how STEM can solve societal challenges and build a more sustainable future. This 2-year project is kindly funded by Science Foundation Ireland under the SFI Discover Programme.

- \* FREE Workshops for qualifying Primary and Post-Primary schools
- \* FREE Workshops for Additional (Special) Needs classes and schools.
- \* FREE Programmes for qualifying schools (3 workshops per class over 1 term)
- \* FREE Teacher CPD Workshops.
- \* FREE Events for schools and the public.

The workshops for schools encourage learners to get excited and engaged with STEM. These workshops will explore a societal challenge related to sustainability and use STEM thinking and hands-on activities to examine and solve that problem. Workshops are 90 minutes in duration and can facilitate a maximum of 30 participants per workshop.

## Workshop Topics

Primary Level Workshops	Suitability
Science of Sustainability Workshop	3rd to 6 <sup>th</sup> Class
Plastic Problems Workshop	3rd to 6 <sup>th</sup> Class
Climate Heroes Workshop	3rd to 6 <sup>th</sup> Class
Transport for the Future Workshop	3rd to 6 <sup>th</sup> Class

Post-Primary Level Workshops	Suitability
Science of Sustainability Workshop	1st Year to 6th Year
Sustainable Food Workshop	1st Year to 6th Year
Sustainable Engineering Workshop:	1st Year to 6th Year
Sustainable Fashion Workshop	1st Year to 6th Year

Additional / Special Needs Workshops	Suitability
Science of Waste Workshop	Younger students
Biodiversity Workshop	Younger students
Plastic Problems Workshop	Older students
Sustainable Fashion Workshop	Post-primary students

## Workshops for Primary Schools

### Science of Sustainability Workshop:

introduces sustainability and the science of sustainability. During the workshop, students explore societal challenges that we are facing and examines ways STEM provides solutions. The workshop includes hands-on activities to help students understand the importance of sustainability and actions we can all take.



### Plastic Problems Workshop:

explores the science of plastics, what is plastic, where it comes from and the types of plastics. The workshop examines the problems caused by plastics, its effects on the planet and people, STEM solutions to these problems and how we as individuals and communities can take action and includes a range of hands-on activities.



### Climate Heroes Workshop:

introduces the science of climate change, exploring the causes and effects of climate change and how we can take climate action. The workshop features a range of hands-on activities to explore the science of climate change, including climate change quiz, investigating the effects of climate change, examining Climate Action Heroes from around the world to inspire the students to create their own climate action plan.

### Transport for the Future Workshop:

explores transport and the impacts of transport on people, the planet and the economy, and introduces students to sustainability and sustainable transport. During the workshop, students will look how STEM can provide solutions for sustainable transport for the future. The workshop features a range of hands-on activities to explore sustainable transport.



## Workshops for Post-Primary Schools

### Science of Sustainability Workshop:

introduces students to sustainability and the science of sustainability. During the workshop, students explore societal challenges that we are facing and examines ways STEM provides solutions and hands-on activities help students to build skills to support a more sustainable future.

**Sustainable Food Workshop:** introduces students to sustainable food, the impacts of the food industry, production, and food waste. During the workshop students explore the concept of sustainability, principles of sustainable food, looking at the impacts of consumer choice and examines how STEM can provide solutions for the future of the food industry. It features a range of hands-on activities on food issues, ecological footprint, and examples of sustainable food.

**Sustainable Engineering Workshop:** examines engineering, key skills, and the engineering process and explores sustainable engineering from the principles and importance to real examples sustainable engineering in action. During the workshop students conduct a range of hands-on activities that explore sustainable engineering, including an engineering design challenge.



**Sustainable Fashion Workshop:** introduces students to sustainable fashion and explores the impacts of the fashion industry, the concept of sustainability, principles of sustainable and circular fashion, and examines how STEM can provide solutions for the future of the fashion industry and consumer choice. It features a range of hands-on activities that explore Sustainable Fashion, including lifecycle of clothing, the principles of sustainable fashion and the future of fashion.

## Workshop for Additional/Special Needs

**Science of Waste Workshop:** introduces the science of waste and litter. We examine how much we produce, the impacts of litter and waste and what we do with our waste. The workshop explores reducing, reusing and recycling, and how we can be more sustainable with our waste. The workshop includes a variety of hands-on activities to demonstrate the creative reuse of waste materials.

**Biodiversity Workshop:** introduces students to biodiversity, its importance, amazing animals, and explores food chains and food webs, and animal adaptations. During the workshop, students will investigate threats to biodiversity, solutions to these issues and what actions we can take to help biodiversity in our area. The workshop features a range of hands-on to aid learning.

**Plastic Problems Workshop:** introduces the science of plastics, what is plastic, where it comes from and the types of plastics. The workshop examines the problems caused by plastics, its effects on the planet and people, STEM solutions to these problems and how we can take action. The workshop features a range of hands-on activities to explore plastic problems, solutions and the actions we can take.

**Sustainable Fashion Workshop:** introduces sustainable fashion and explores the impacts of the fashion industry, concept of sustainability, principles of sustainable and circular fashion and examines how STEM can provide solutions for the future of the fashion industry and consumer choice. It features a range of hands-on activities that explore sustainable fashion, including lifecycle of clothing, the principles of sustainable fashion and the future of fashion.



T: 01 893 3801 E: [academy@rediscoverycentre.ie](mailto:academy@rediscoverycentre.ie)  
The Boiler House, Ballymun Rd, Dublin 9, D09 HK58  
W: [www.rediscoverycentre.ie](http://www.rediscoverycentre.ie)



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