

STE(A)M CPD CALENDAR 2022

A series of online events in February and March

STEAM
IN JUNIOR CYCLE

WHAT IS STE(A)M IN JUNIOR CYCLE?

STE(A)M in Junior Cycle online events emerge from a partnership between JCT and 11 education outreach partners who are experts in their field. Our vision is to provide professional learning for Junior Cycle teachers, across a broad range of subjects, that will support an appreciation of interdisciplinary responses to societal challenges. This CPD will have both subject-specific and cross-curricular relevance and supports teachers in connecting classroom learning to real world contexts.

Learners will be enabled to use and analyse information in new and creative ways, to investigate issues, to explore, to think for themselves, to be creative in solving problems and to apply their learning to new challenges and situations.

Framework for Junior Cycle (2015)

Young people - they care. They know that this is the world that they're going to grow up in, that they're going to spend the rest of their lives in.

There is a path to sustainability. It is a path that could lead to a better future for all life on Earth.

Sir David Attenborough

IN PARTNERSHIP WITH	DATE	TIME	WORKSHOP	DESCRIPTION	
 Engaging Content Engaging People	Tuesday 1st Feb	7pm- 8.15pm	Artificial Intelligence: Trading your Data	Join facilitators from ADAPT for this workshop which examines the Artificial Intelligence (AI) devices that we use every day. Do you know what data we give them? What data is being collected about you and how is it being used? Join us to consider whether the trade-off between 'free' use of services and personal data represents a good deal for the consumer.	Click Here To Register
 BRITISH - IRISH ASSOCIATION ZOO'S & AQUARIUMS	Monday 7th Feb	7pm- 8.15pm	The Value of Nature	In this interactive workshop you will join facilitators from BIAZA to reflect on the value we place on nature. You will explore the relative value of our consumption against environmental impact of that consumption. You will identify actions that can be taken to support nature, as individuals and in our classrooms and learn about the work BIAZA does in this context.	Click Here To Register
	Thursday 10th Feb	7pm- 8.15pm	Climate Resilience in a Risky World	Join facilitators from WWGS and teachers from a wide range of subjects for this interactive workshop which will support you in considering climate change through a new lens. Participants in this workshop will have the opportunity to consider how resilience in the face of adversity is part of the solution to climate issues. Creativity is a key underpinning of climate resilience with lessons to be learned from across the world.	Click Here To Register
	Wednesday 16th Feb	7pm- 8.15pm	Engineering for a Sustainable Future	This interactive workshop, facilitated by The Rediscovery Centre, explores sustainable engineering design principles in the context of a circular economy. You will consider how a sustainable approach to finding solutions to the challenges we face can help us both solve problems and create new opportunities. Can embracing sustainability drive innovation?	Click Here To Register
 IRISH CENTRE FOR RESEARCH IN APPLIED GEOSCIENCES	Tuesday 1st March	7pm- 8.15pm	Going Green with Geothermal Energy	We don't often consider geothermal energy in an Irish context and yet developments in technology mean it has potential to become a sustainable, clean, and potentially limitless heat source for the island of Ireland. Join the Irish Centre for Research in Applied Geosciences and Geological Survey Ireland for this interactive workshop where we will explore geothermal energy utilisation across the world and consider how geothermal energy could be applied in the Irish context.	Click Here To Register
 SFI Research Centre for Medical Devices	Tuesday 8th March	7pm- 8.15pm	The Superpowers of Slime	Join facilitators from the CURAM centre for an interactive workshop where you will learn about the remarkable capabilities of some marine organisms which have evolved to produce unique and diverse compounds, including slime. CURAM scientists are researching these slimes because of their potential for use in our bodies and we will consider how conservation of the biodiversity of our oceans affords us the opportunity to further explore the unique chemistry of these slimes and their potential applications to medicine. You will also learn how to custom-design your own slime recipe for classroom use. Who doesn't love slime!	Click Here To Register
 Smart Manufacturing	Monday 14th March	7pm- 8.15pm	"Tech-ing" in the Future: The Impact of Rapid Technological Advancement	Technology is impacting not just what we teach but how we teach. During this workshop you will join facilitators from CONFIRM who will demonstrate some current and future technologies and consider their potential use in the classroom. What might be the ethical concerns, societal impact and economic impact? Industry 4.0 - are we ready for what is happening now and what might happen in the not-too-distant future?	Click Here To Register
 SUSTAINABLE ENERGY AUTHORITY OF IRELAND	Tuesday 22nd March	7pm- 8.15pm	Insulating Our Futures	SEAI facilitators look at how insulation and conductivity of heat can be explored in the classroom while connecting classroom learning to real world data. In this interactive workshop you will have the opportunity to interpret energy trends over the past 3 years. You will engage with freely available real world data to consider how our carbon footprint is connected to the very structure of the homes we live in.	Click Here To Register
	Mon 28th March	7pm- 8.15pm	Climate Futures: Can STE(A)M Thinking Save Us?	Suggested solutions to climate change involve everything from individual behaviour change, community and political action, through to purchasing high-tech products. But how did we get here, how might our responses change in the future and how do we prepare young people to navigate this uncertainty? Join facilitators from AMBER who will use Junior Cycle as a basis to explore solutions to climate change. In this interactive workshop you will consider how to support students to make decisions, express their concerns and chart their own course through the climate crisis.	Click Here To Register
 AMGEN® Biotech Experience Scientific Discovery for the Classroom Ireland	Wed 30th March	7pm- 8.15pm	Open Research: The Good, The Bad and The Ugly of Open Sharing of Research Outputs	The movement towards open research is growing. What is it? How does it impact the research process? Join facilitators from Amgen Biotech Experience to explore the pros and cons of making research outputs freely accessible to everyone. This workshop explores how access to research is supporting our responses to the current pandemic but moves to consider the wider implications, opportunities and challenges of open research in our connected world.	Click Here To Register



An Roinn Oideachais
Department of Education



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An tSraith Shóisearach do Mhúinteoirí

JuniorCYCLE
for teachers