STE(A)M CPD Calendar 2023
A series of online events in February and March

What is STE(A)M in Junior Cycle?

STE(A)M in Junior Cycle online events emerge from a partnership between JCT and 10 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 will support 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."
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> — Framework for Junior Cycle (2015)

> "You can't use up creativity. The more you use, the more you have."
>
> — Maya Angelou

An tSraith Shóisearach do Mhúinteoirí
Junior CYCLE for teachers
in partnership with

DATE	TIME	WORKSHOP	DESCRIPTION	
Thursday 2nd Feb	7pm - 8.15pm	**Chatbots – What, how and if Chatbots can aid teaching and communication in learning?**	Join Artificial Intelligence experts from ADAPT for this workshop which examines Conversational Agents such as Chatbots, which simulate human conversation. Chatbots are used in many areas, for example online customer service and healthcare, but what are the future possibilities for Chatbot use in education? Join us to discover how Chatbots work, the challenges involved and where the technology can be useful to teachers.	Click Here To Register
Thursday 9th Feb	7pm - 8.15pm	*Blurring Lines* – Artificial Intelligence and Creativity	Artificial Intelligence (AI) has become increasingly commonplace in our lives in recent years. Entertainment and social media platforms use AI and Machine Learning to predict the types of content most relevant to us based on our watch/listen history. Virtual assistants use Natural Language Processing and Machine Learning to respond to our commands and requests. More recently however, AI algorithms are being used to generate original content, primarily visual art and music, a trend which has become viral across on social media platforms. In this workshop facilitated by CONFIRM, the SFI funded research centre for smart manufacturing based at the University of Limerick, we will explore this seemingly more creative application of AI and raise the question of whether or not this can be considered true creativity.	Click Here To Register
Wednesday 22nd Feb	7pm - 8.15pm	**Sustainable Design Thinking**	The decisions we make when designing goods determine over 80% of their environmental impacts. Join The Rediscovery Centre for this workshop to explore how, through a Sustainable Design Thinking approach, we can address the problems faced during design to eliminate waste and pollution, circulate goods and materials, and regenerate nature. In this interactive workshop we will explore sustainability, sustainable design and the design thinking process, and hands-on design activities.	Click Here To Register
Tuesday 28th Feb	7pm - 8.15pm	**Creating Therapies**	Join facilitators from CÚRAM for an interactive workshop where you will hear about how scientists are using creative skills to develop 2D and 3D models to test potential cures. Additionally, you will partake in a "Choose Your Own Adventure" - style game to learn about the remarkable potential of 3D bioprinting. You will also learn how to adapt some problem-solving games for classroom use.	Click Here To Register
Thursday 2nd March	7pm - 8.15pm	**Exploring Plastics**	Plastics are used in every household everyday across the country, but what do we really know about them? Join us for this workshop, facilitated by Amber, where we will explore the many uses of plastic and we will consider the potential of bio-plastic. Applying what we learn in this interactive workshop we will consider the question, *can we live without plastic?*	Click Here To Register
Tuesday 7th March	7pm - 8.15pm	**Planned and Perceived Obsolescence**	WorldWise Global Schools is Ireland's national Global Citizenship Education (GCE) programme for post-primary schools. This workshop will explore 'Planned and Perceived Obsolescence' and the implications for our sustainability and global justice and equality. There will be a focus on creative solutions and futures through a curriculum lens - imagining a new world with new systems and structures.	Click Here To Register
Wednesday 8th March	7pm - 8.15pm	**Conservationists of the Future**	The BIAZA Network vision is *'To be a powerful force in the care and conservation of the natural world'*. Join us for this interactive workshop where we will explore the impact of conservation and the role everyone can play in wildlife conservation.	Click Here To Register
Monday 13th March	7pm - 8.15pm	**Geoscience in Fashion**	Fashion is defined as the latest and most desirable trend in clothes, whereas geoscience (or Earth science) is the science of our planet and everything connected to it, from the rocks beneath our feet, to the atmosphere we breathe. But, how are the two linked? Join iCRAG (the Science Foundation Ireland Centre for Research in Applied Geoscience) and Geological Survey Ireland to find out!	Click Here To Register
Tuesday 14th March	7pm - 8.15pm	**Exploring Creativity in Design Thinking with Digital Twins**	Design thinking is a framework used to solve problems and create solutions. Join us to delve into the role that creativity plays within this process, and how it can be applied to solve problems both in STEM and in the classroom.	Click Here To Register

To find out more about each of our partners click on their logo!

An Roinn Oideachais
Department of Education

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