# STE(A)M CPD Calendar 2020

**Dates and Venues January - April 2020**

## WHAT IS STE(A)M IN JUNIOR CYCLE?
STEAM in Junior Cycle is a nationwide elective CPD initiative. Our focus is on the provision of professional learning for all teachers with an interest in using societal challenges as a stimulus to engage within and across subject areas. This CPD is of interest to all teachers but some workshops may be of particular interest to teachers of Geography, Science, Mathematics, Home Economics, Applied Technology, Wood Technology, Engineering and Graphics.

## HOW TO REGISTER
Use the QR code to access Live links to registration OR use the Education Centre's EDC to be featured. To register through the internal EDC, use your EDC workplace email for each workshop.

Follow us on Twitter: @JCTSteAM for regular updates.

## EVENT | DATE | LOCATION | EVENT | DATE | LOCATION |
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<tbody>
<tr>
<td>Mayo Education Centre</td>
<td>18th JAN</td>
<td>Co. Mayo</td>
<td>Laos Education Centre</td>
<td>25th JAN</td>
<td>Co. Offaly</td>
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<td>Fota Wildlife Park</td>
<td>25th JAN</td>
<td>Co. Cork</td>
<td>Atlanticarium, Galway</td>
<td>1ST FEB</td>
<td>Co. Galway</td>
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<td>Dublin Zoo</td>
<td>29th FEB</td>
<td>Co. Dublin</td>
<td>Navan Education Centre</td>
<td>7TH MAR</td>
<td>Co. Meath</td>
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<td>Cork Education Centre</td>
<td>21ST MAR</td>
<td>Co. Cork</td>
<td>Kilkenny Education Centre</td>
<td>28TH MAR</td>
<td>Co. Kilkenny</td>
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<td>Secret Valley Park</td>
<td>25TH APR</td>
<td>Co. Limerick</td>
<td>Waterford Education Centre</td>
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## Solution Generation

“The future of the world is in my classroom today - a future with the potential for good or bad.”

(John Hattie, Author)

The world is changing at a rapid pace. In order to respond to the emerging challenges of our future, we need to encourage our students to engage in ways that will enhance and enrich our lives, communities and world, and into the unknown tomorrow. It is in this premise that the theme for STEAM in Junior Cycle 2020 - *Solution Generation* - is based.

**Biodiversity - The Future in Our Hands!**

We depend on biodiversity in a major way and yet there are always opponents to it. This workshop will show the importance of biodiversity and its relevance to us. We will get a chance to examine the problems and solutions to biodiversity loss and change. Through these workshops we explore the future of biodiversity at a macro and micro level through the ages.

*We are at a unique stage in our history: before we had such an awareness of what we are doing to the planet and never before have we had the power to do something about this.*

(Sir David Attenborough)

**The Future of Our Communities - Sustainable and Connected**

Change is inevitable, as is the impact of what we do and what we choose to do. Generally, communities have not evolved to deal with our new world and yet we now have to consider this in our planning and development. Every decision we make is a reflection of our societal change. We will explore the impact of the decisions we make and how we evolve with time.

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(Roger Penrose)

**Technology Research and Innovation - Choices for the Future**

Big data has led to research and developments that are the future of our society. The use of large databases and advanced AI means that everything has the potential to be turned into something else. The question is whether we will be able to make the changes and think about what we are doing or whether we will continue to do what we have done in the past.

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(Professor Roger Penrose)

**The Future of Stuff!**

We live in an age of consumption, used to in our everyday lives. Garages, and in general, garage facilities not only serve as accommodation but also serve as storage spaces. We are constantly creating and destroying and it comes with a cost to both people and the environment. We will be exploring this relationship and trying to understand what we can do to improve this situation.

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(Roger Penrose)

**Voice and Choice - The Future of Health Care**

The design of medicine and medical devices is a significant factor in health equity. Medicine design involves creating products and services that are user-friendly and accessible to all. This workshop will examine the future of health care and explore the impact of design on the future of medicine.

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(Professor Sir David Attenborough)

**Technology in the Future - With Great Power Comes Great Responsibility**

There is no taboo subject about AI. It is inevitable for us, it is created by people and, most importantly, we are the people that are using it. We are beginning to understand that this is a profound responsibility. How can we ensure that we are doing the right thing? How do we ensure that we are making the right choices? This workshop will explore the impact of AI on our future and consider what we can do to ensure that we are making the right choices.

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(Alice Schill)

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Daily programme: Registration 9 – 9.15am, Workshops commence at 9.15am. Event ends at 1.45pm.

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