

# Muinín Catalyst Sustainable STEAM Newsletter

December 2022

**BREAKING** LIVE  
**NEWS**



## Christmas Presence

**What a lovely gift as we end the year!**

Welcome to our first newsletter, and what a way to start it off and end the year!

We were thrilled to be shortlisted for the QS Wharton Reimagine Education awards for our blended learning resources. Our [Muinín Catalyst Sustainable STEAM](#) evidence-based resources were shortlisted from over 1800 education projects.

Developed to support teachers and learners with challenge-led solution-focussed learning, using place-based STEAM education and the Sustainable Development Goals. The resources are free for all post-primary school teachers to use.

**To Find out more about the programme and how to access the resources, [please visit](#)**

### Our Core Team

Meet our core team on the MCSS project. Project leads [Rebecca White](#), [Dr. Anita McKeown](#) and [Prof. Lizbeth Goodman](#) SMARTlab UCD as the Principle Investigator (PI). [Dr. Jessica Garska](#) Project and Content Development Manager.

[Read](#)

### Tooling up education for the 21st Century

Critics of outdated and flawed education systems are gaining ground; parents, learners, and educators are all commenting on the gaps between what exists and what is needed. Ireland is no exception.

[Read](#)

### Climate Change Engage

Read how 20 self-selecting Transition Year students (15-16 years old) participated in a week-long design sprint, Climate Change Engage, centred around the theme of climate change adaptation.

[Read](#)

### Muinín Catalyst Sustainable STEAM Pedagogical Approach

Have you ever considered, what other pedagogical methods may exist alongside the current learning system? individual development. adaptation. Find out more about our STEAM approach

[Read](#)



## TOOLING UP EDUCATION FOR THE 21ST CENTURY

Critics of outdated and flawed education systems are gaining ground; parents, learners, and educators are all commenting on the gaps between what exists and what is needed. Ireland is no exception. An extensive Senior Cycle Review (2016 – 2020), gathered and distilled the views of teachers, students, school leaders, parents, education partners, researchers and wider civil society and international stakeholders including the UN Observers - Office of Economic Development (OECD).

In 2021, the National Council for Curriculum Assessment released its Senior Cycle Review (2016-2019) Advisory Report. The report found... [Read More](#)

## PREPARING TRANSITION YEAR FOR A JUST TRANSITION

Our core team is composed of the SFI Project Leads [Rebecca White](#), [Dr. Anita McKeown](#) and [Prof. Lizbeth Goodman](#) of UCD's [SMARTlab and IDRC](#) as the Principle Investigator (PI). [Dr. Jessica Garska](#) has recently joined the team as a Project and Content Development Manager.

Muinín Catalyst Sustainable STEAM emerged out of 3 year's research through SMARTlab, the Inclusive Design Centre of Ireland, UCD and Future Focus21c, and was selected by the Royal Irish Academy Climate Change and Environmental Sciences committee for best practice... [Read More](#)



## Latest News

- We presented [Climate Change Engage](#) at the Royal Geographic Society Annual Conference
- Our book chapter, based on the Climate Change Engage sprint 'A transdisciplinary STEAM pedagogical framework for enhancing climate change reflection and communication 'by' teenagers 'for' teenagers' with [UCD Earth Institute colleagues](#) will be published by Springer in 2023 in 'Pedagogical Approaches and Teaching Methodologies on Climate Change'



## CLIMATE CHANGE ENGAGE

In March 2022, 20 self-selecting Transition Year students (15-16 years old) participated in a week-long design sprint, Climate Change Engage, a project funded by the Irish Research Council -New Foundations programme and centred around the theme of climate change adaptation. Climate change Engage.

The sprint was structured to support the development of skills and competencies including the acquisition of knowledge to empower students and increase their confidence in tackling key issues related to the current climate crisis we are living through. [Read More](#)

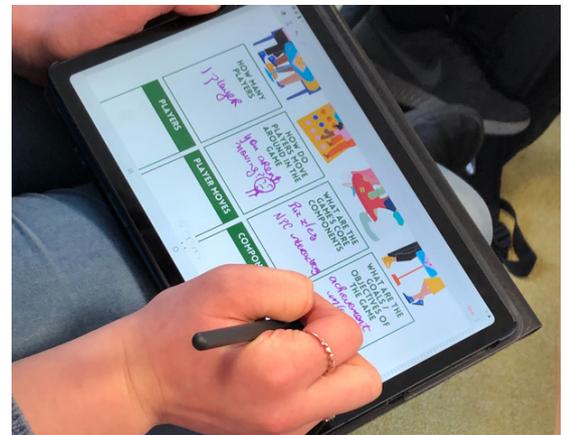


Learning-By-Doing -

## MUINÍN CATALYST SUSTAINABLE STEAM PEDAGOGICAL APPROACH

Many of us have only experienced a traditional post-primary schooling system, with subject-based learning, where a standardised pedagogy, is considered the most efficient and effective opportunity for individual development. Have you ever considered, what other pedagogical methods may exist alongside the current learning system?

Our world and its challenges have become so complex, that no one discipline or field of knowledge will be able to develop the solutions required and systemic approaches are now needed. Educators are developing pedagogical strategies that reflect the needs of today's learners and tomorrow's citizens and leaders now. [Read More](#)



### In our next issue

[Subscribe](#) to our newsletters and media channels to see exciting content and developments. In our next newsletter we will have updates on:

- Conference participation
- Our Sprints and Tech Tasters
- New resources and features on our extended team



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