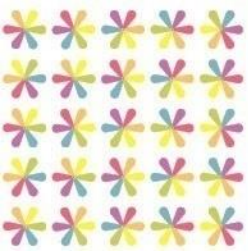




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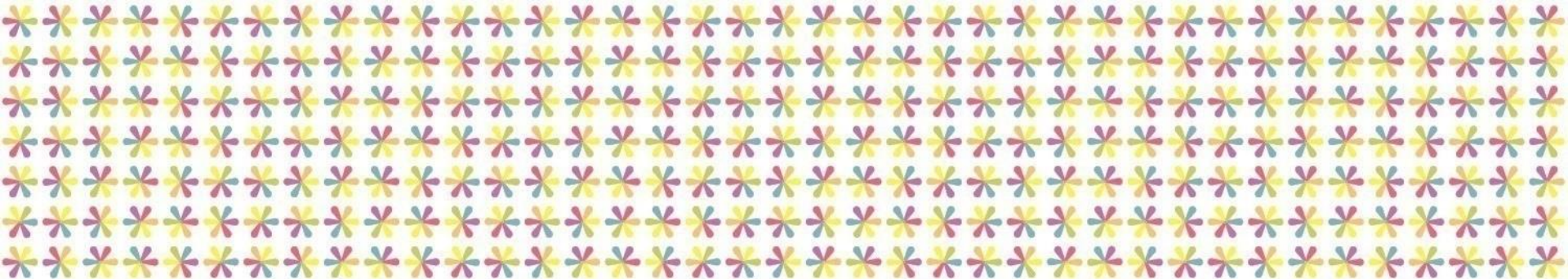


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Naložbo sofinancirata Republika Slovenija in Evropska unija iz Evropskega socialnega sklada

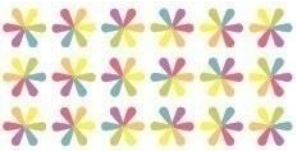


Authentic Learning and STEM: Lessons from the ATS STEM Project

Dr Eamon Costello

Dublin City University

@eam0



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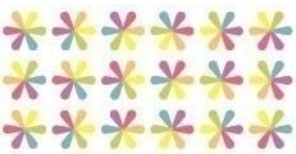


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“Who am I?”



Sri Ramana Maharshi 1879-1950



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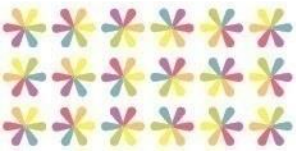
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Bea Orpen



Bea Orpen HRHA (1913- 1980)

Beatrice E
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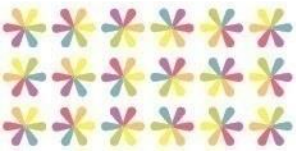


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Women on Walls at DCU



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Beatrice Alice Hicks (1919-1979)

Leading Engineer and First President of the Society of Women Engineers

[Meet Beatrice](#)



Katherine Johnston (1918-2020)

Leading Mathematician and one of the first African-American women to work as a NASA scientist



Dame Kathleen Lonsdale (1903-1971)

Leading X-ray Crystallographer and first female Professor of University College London



Marie Maynard Daly (1921-2003)

First African-American woman in the U.S. to earn a Ph.D. in chemistry



Kathleen (Kay) McNulty (1921-2006)

Leading Mathematician and Computer Programmer and one of the world's first computer programmers



Blaise Smith

Blaise Smith RHA (b.1967) is a Co. Kilkenny based figurative painter. A graduate of NCAD, Blaise is adept at landscapes, portraits and still-lives.



Bríd Higgins Ní Chinnéide

Bríd Higgins Ní Chinnéide (b. 1978) is a Dublin based figurative painter who works primarily with oil paint, drawing most her inspiration from people.



Jackie Hudson Lalor

Jackie Hudson Lalor (b. 1966) is a Louth based professional visual artist with three distinctive strands: painting in oils, drawing and printmaking.



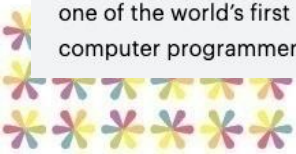
Jim Fitzpatrick

Jim Fitzpatrick (b. 1944) is a Dublin born and based internationally acclaimed artist



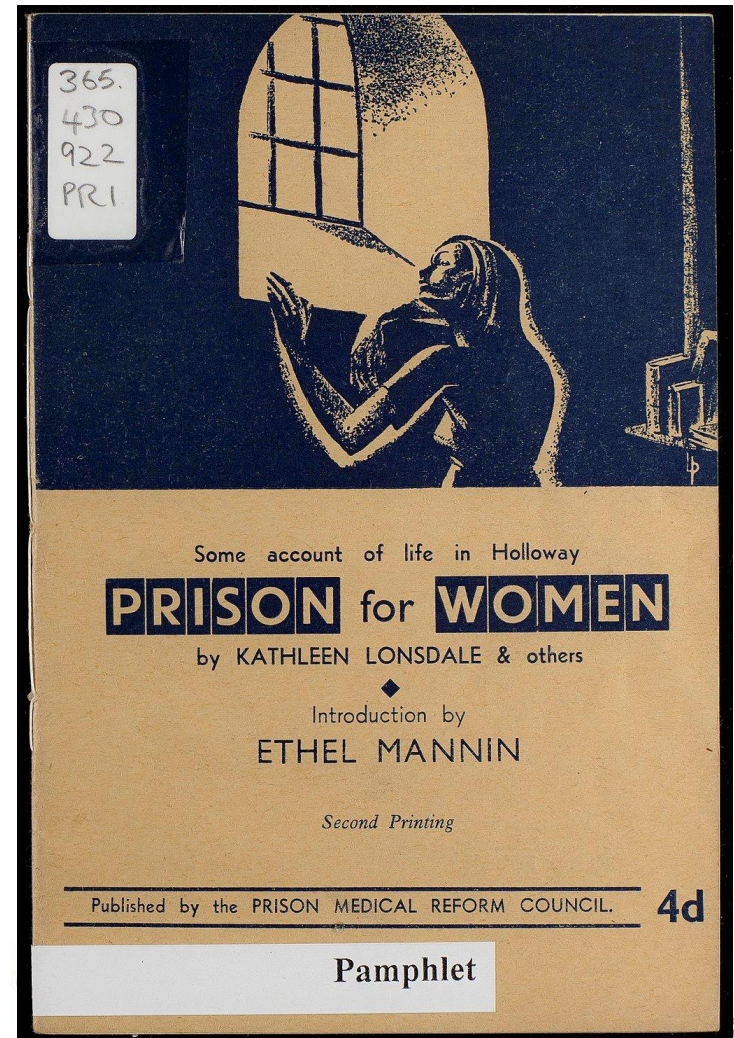
Una Sealy

Una Sealy RHA (b. 1959) is a Dublin based figurative painter and member of the RHA.



IZZIVI AVTEN

Kathleen Lonsdale



“ The point of education is *not* that students learn. [...]

I wish to suggest that the point of education is that students learn *something*, that they learn it for a *reason*, and that they learn it *from someone*.”

Gert Bestia (2015)



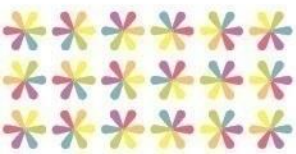
The good news...

People like teachers!

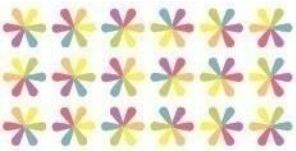
People trust teachers!

People think teaching is intellectually demanding work!

Heffernan, A., Bright, D., Longmuir, F., & Magyar, B. (2021). Perceptions of Australian schooling: What matters in 2021. Monash University.



41.6% of respondents said that their perceptions of teachers' work had improved as a direct result of COVID-19.



DigiComp Edu

European Framework for
the Digital Competence of
Educators



Assessment



Assessment strategies

To use digital technologies for formative and summative assessment. To enhance the diversity and suitability of assessment formats and approaches.



Analysing evidence

To generate, select, critically analyse and interpret digital evidence on learner activity, performance and progress, in order to inform teaching and learning.



Feedback and planning

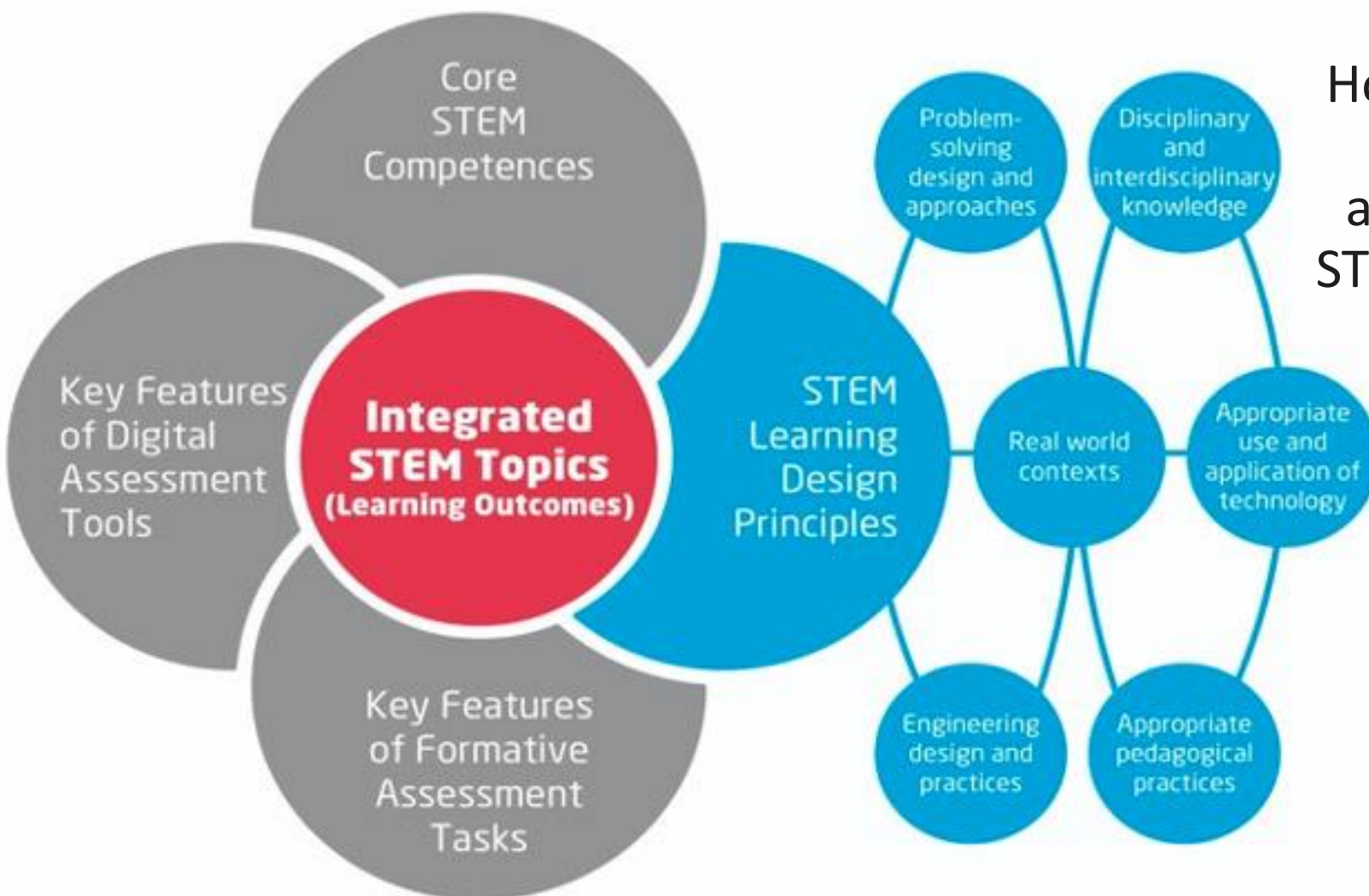
To use digital technologies to provide targeted and timely feedback to learners. To adapt teaching strategies and to provide targeted support, based on the evidence generated by the digital technologies used. To enable learners and parents to understand the evidence provided by digital technologies and use it for decision-making.



ATS STEM



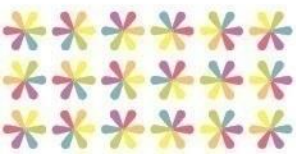
Co-funded by the
Erasmus+ Programme
of the European Union



How do we
assess
authentic
STEM skills?



Is it in the bin? (Sweden)



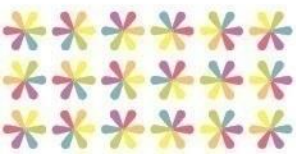
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School Yard (Cyprus)



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Peter Jenič

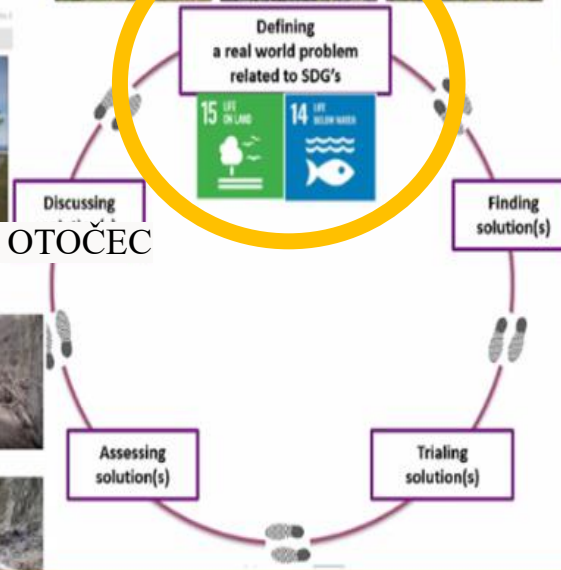
PRIMARY SCHOOL OTOČEC



EXPLORING BEEVERS



Feeders for beavers



ATS STEM Zoom In! pilot school networking

Set background Clear frame

ATS STEM

Post your comment, question, opinion ...

PRIMARY SCHOOL OTOČEC, Slovenia
'Beavers in the area of the Lešnica stream'

Nice project. Engaging. Impressed how you managed to redesign your idea into virtual world.

A very innovative approach to the problem.

Brilliant virtual tour. Love the videos and the presentation of it all!

A great way to raise awareness about the beaver.

Please explain how you got the videos about beavers?

I really like the virtual tour. Is that something you can share?

Thank you for your inspiring presentation and suggestions of solutions.

A very nice presentation.

Great work Peter & team. I very like videos about beavers on your virtual tour. It is also great.

Wow! What a work you have done with your class

Is the tool easy to use?

Are the beavers dangerous?

Great idea...local, great idea with feeders...bravo

very, very fine project an very clear ATS-STEM- steps in your presentation...

Great! Nicely designed :)

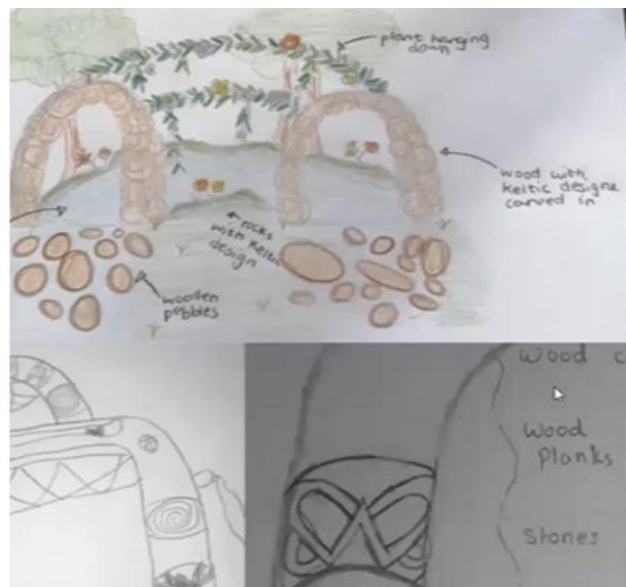
BEAVERS IN THE LEŠNICA STREAM

HOW CHILDREN CAN RAISE PUBLIC AWARENESS

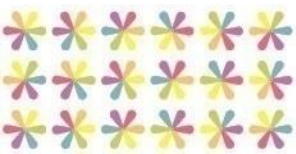
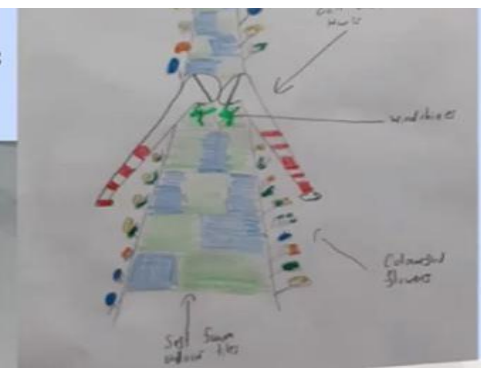
Presenter: Peter Jenič



Ireland

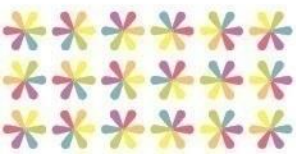


Arch designs





Teaching is
authentic
real-world
activity



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