

Discovery Science Application for SFI Plaque of STEM 2019/20

Kilcoskan NS



STEP 1 Science

1 hands-on investigation from each of the four curriculum strands :

Living things

Energy and forces

Materials

Environmental awareness and care

AND the following:

Invite a Science speaker to your school

Visit an SFI Discover Centre

Take part in Science Week 2019 www.scienceweek.ie

Take part in Space Week 2019 www.spaceweek.ie

- Living things 1

Eoin's class picked apples in the local farm – learned about the parts of an apple – and how plants grow from seeds .

<https://www.kilcoskanns.ie/news/picking-apples/>

Living things 2

Trish's class investigated DNA and extracted from a banana !!!



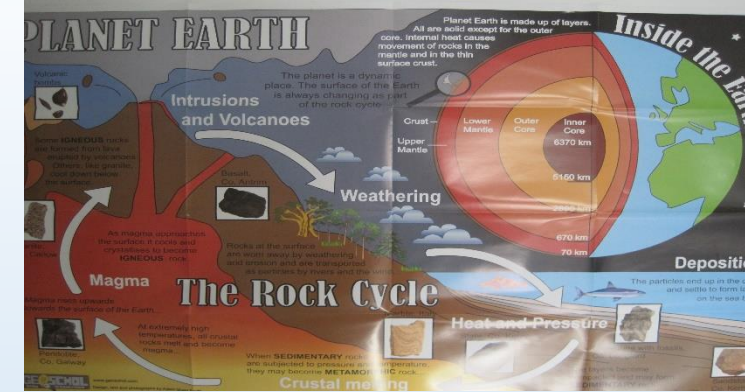
Energy and Forces

- 3rd and 4th also went to Marsh's Library in the city centre to do a 10 station engineering challenge !! Thursday 12th March 2020 11am



Materials

- 5th/6th class - Our focus for this section was on rocks – the 3 different types and looking at samples of rocks , we went on a walk around the local area looking for different samples . One of our pupils provided a set of samples from the family stone business. When we needed to classify rocks we used phrases like hardness and texture .



- Environmental awareness and care

Two girls in 6th class became compost controllers and organised brown bin collection daily in our school. They gave a talk to each class on what (and what not !) to put in our small class compost bins .

- [https://www.kilcoskanns.ie/news/brown-bin-collectors/?p=1&tags=,1083,](https://www.kilcoskanns.ie/news/brown-bin-collectors/?p=1&tags=,1083)

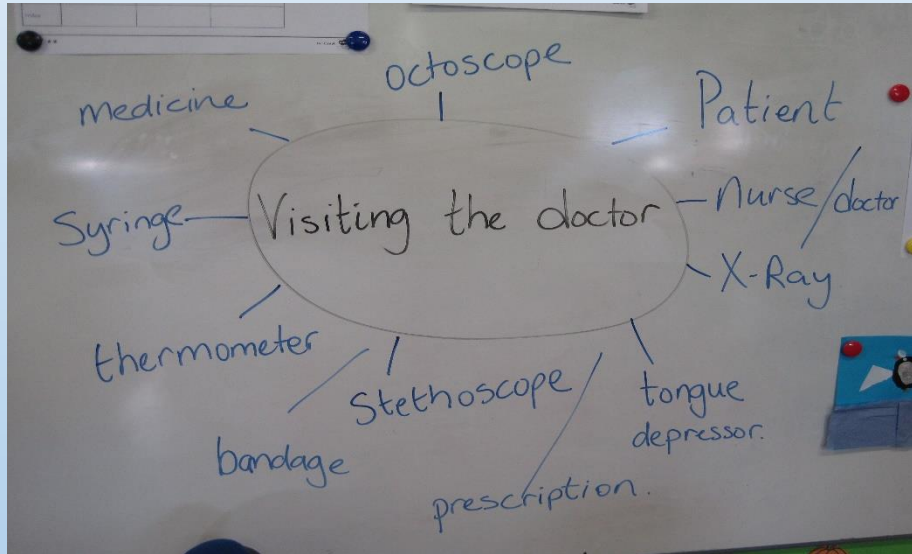
Materials

- A fireman came to the infant class to talk about materials that can ignite easily and how different materials can protect you from the dangers of fire



Invite a science speaker to your school

- Temple St. nurse Antoinette Connolly came to our school to teach the kids about how she looks after her patients in the hospital ward



- <https://www.kilcuskanns.ie/news/nurse-antoinettes-visit/?p=2&tags=,108>

Engineers Week 2020

- As part of our work for Engineers week we explored different types of bridges. We then got into groups and tried to design a bridge that would hold the most amount of coins. It was lots of fun working as an engineer!
- <https://www.kilcoskanns.ie/news/building-bridges/>

- 3rd/4th attended an engineering week event in Marsh's library

<https://www.kilcoskanns.ie/news/engineering-week-/>

STEPS Young Engineers Award

- ***7th Oct 2019***
- In September we began work on our entries to the STEPS Young Engineers Award. This is an engineering competition open to 3rd and 4th classes across the country.
- We learned that there are many different types of engineers and that engineering helps us in so many ways.
- Darren's Dad is an engineer and gave us some computer parts to observe and investigate. It was great looking at the inside of a computer and phone!

Technology

- Music meets technology !!

We worked in pairs today to create some pieces of music using a fun app called garage band on the ipads. We explored how you can layer the different instruments in a piece of music.

<https://www.kilcorkanns.ie/news/music-meets-technology-/>

Space Week 2019

- Trishs class had a skype call from Sorcha Mac Manamon from Blackrock Castle Observatory

She gave the class a virtual tour of the solar system- at first we couldn't hear her but Paddy Christie set up a new skype account and it eventually worked !! 😊

- Google expeditions on the ipads !! We took a tour of the international space station !!
- [https://www.kilcoskanns.ie/news/space-week-2019/?p=4&tags=,1083,](https://www.kilcoskanns.ie/news/space-week-2019/?p=4&tags=,1083)

Maths

- ***1st-4th class***
- ***14th Oct 2019***
- We headed off to DCU this morning for maths show. It was lots of fun. We saw some really cool maths tricks!
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- As part of maths week we are playing lots of maths games. We kicked off the week with 3 in a row today. In got quiet competitive here in 1st and 2nd!
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- We made some posters in our pairs all about our favourite toys. We had a good look through pictures of lots of toys then made some graphs. We worked really well together.
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- On Wednesday we had a maths trail all around the school. We worked in pairs to answer lots of maths based questions about our school.

Maths week 2019

- <https://www.kilcoskanns.ie/news/maths-week-2019-247/>



Science Blast

Valerie took 10 children from 4th/5th/6th and attended the science blast event in the RDS – the kids really enjoyed it - have a look at our trophy !!!!



STEM Showcase

- 3rd and 4th class have been working really hard on their projects for the Young Engineers Awards.
We discussed lots of ways that we could improve our school community using engineering. Then every group chose one idea and worked on their prototype.
On Tuesday 26th November two engineers from ESB visited to see the projects and to do a workshop.
We were most excited when parents and friends visited to see the projects!
Thank you everyone. We hope we win a prize!!
- <https://www.kilcoskanns.ie/news/young-engineers-of-kilcoskan-/?p=3&tags=,1083,>

We really enjoyed our work on STEM this year



Thank you .