

Discover Primary Science and Maths 2018 - 2019

Award Number DSM107

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Contents of our work:

Step 1 - Science

Step 2 - Technology

Step 3 – Engineering

Step 4 – Maths

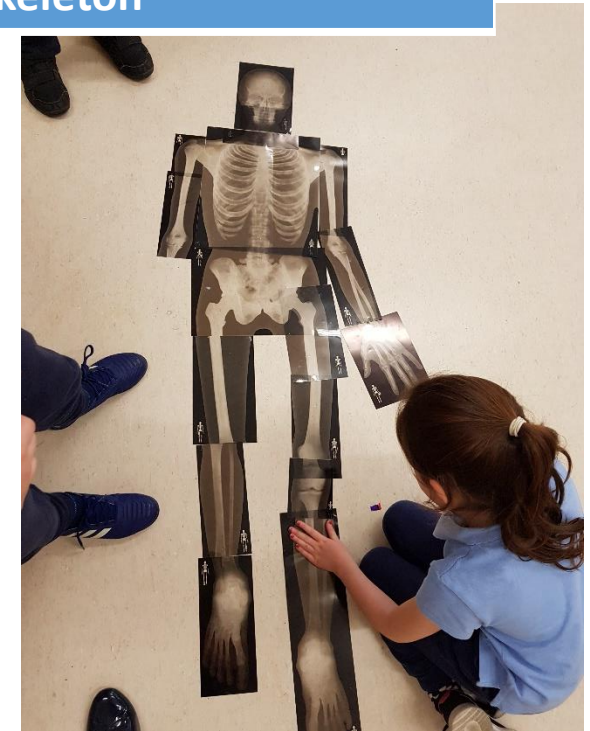
Step 5 – Showing our work

Step 1 Science (Living things-Myself)

Skeletons were constructed by 1st, 2nd
& 3rd class

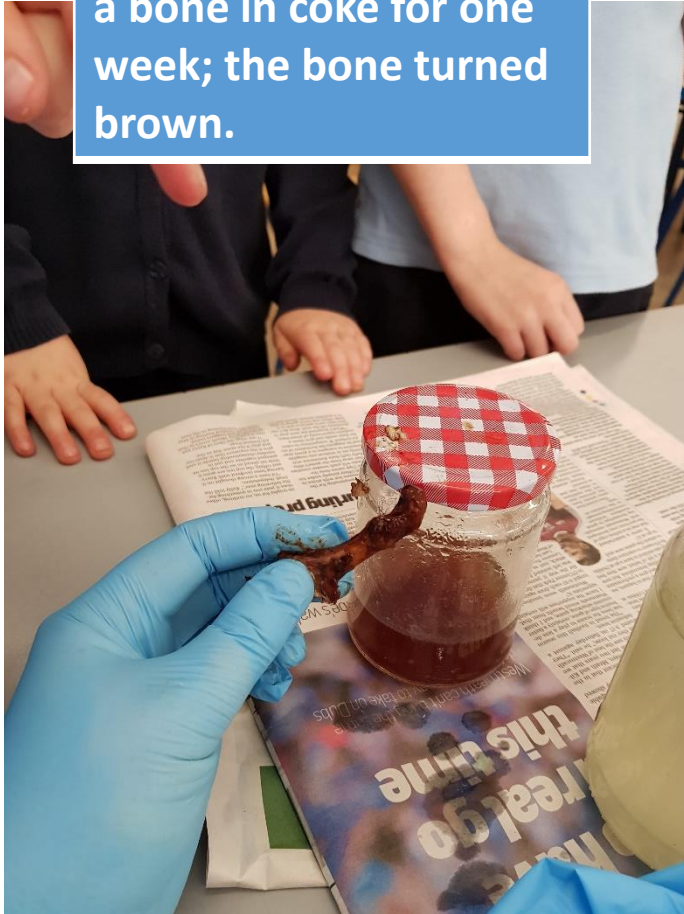


They also organised x-rays to build a
skeleton

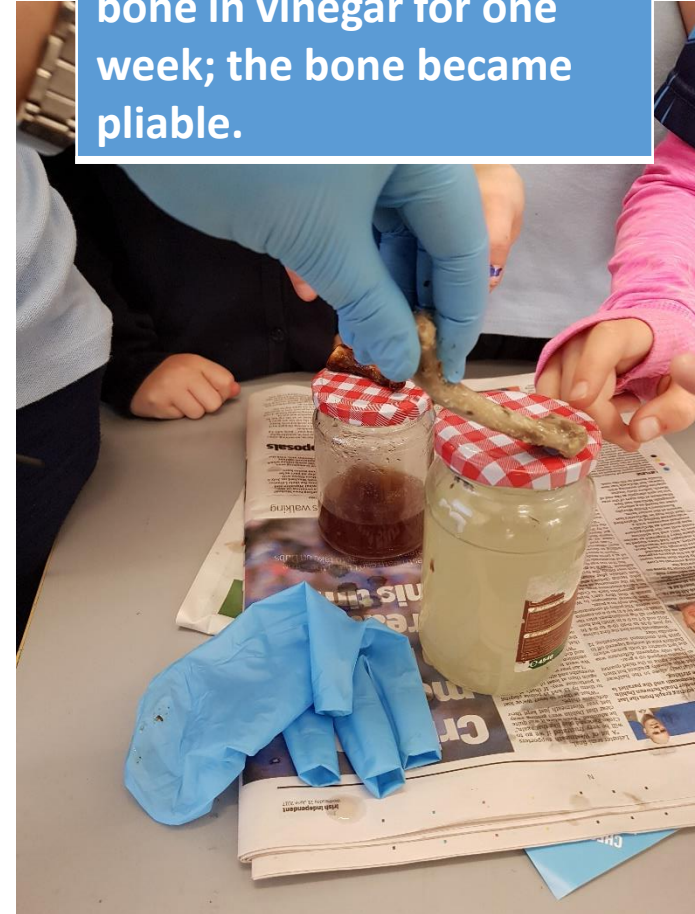


Step 1 Science (Living things-Myself)

Senior room immersed a bone in coke for one week; the bone turned brown.



They also immersed a bone in vinegar for one week; the bone became pliable.



Step 1 Science (Living things-Plants & animals)

1st, 2nd & 3rd planted tulips and daffodils.



Result!



Step 1 Science (Living things-Plants & animals)

The Junior Room sorted living animals into sets; sets of 4 legs, 2 legs and 0 legs.



Science-Energy & Forces (Sound)



As part of our Science Week, all pupils experimented by hitting the tuning forks off the edge of the table and inserted the fork into water, to learn that sound moves in waves, spraying water out of the jar.

As part of our Christmas theme, 1st, 2nd & 3rd created musical instruments and played “Bualadh Bos” using their instruments. Listen below!



Science-Energy & Forces (Sound)

1st class made paper cup telephones with string, we had interesting conversations! We learned how sound travels along the string once it is pulled tightly.



2nd class observed the sugar dance once a vibration was created .



Science-Energy & Forces (Sound)

Junior room experimented with sound. Rowan visited our school and showed us his record player and explained how the record plays and makes sound.



Science-Energy & Forces (Heat)

Junior & Senior Infants melted chocolate and added crisps to make Rice Crispy Buns.



1st, 2nd & 3rd also learned that warm air rises and cold air comes in to take it's place. We made snake spirals and tested them over the radiator. See below.



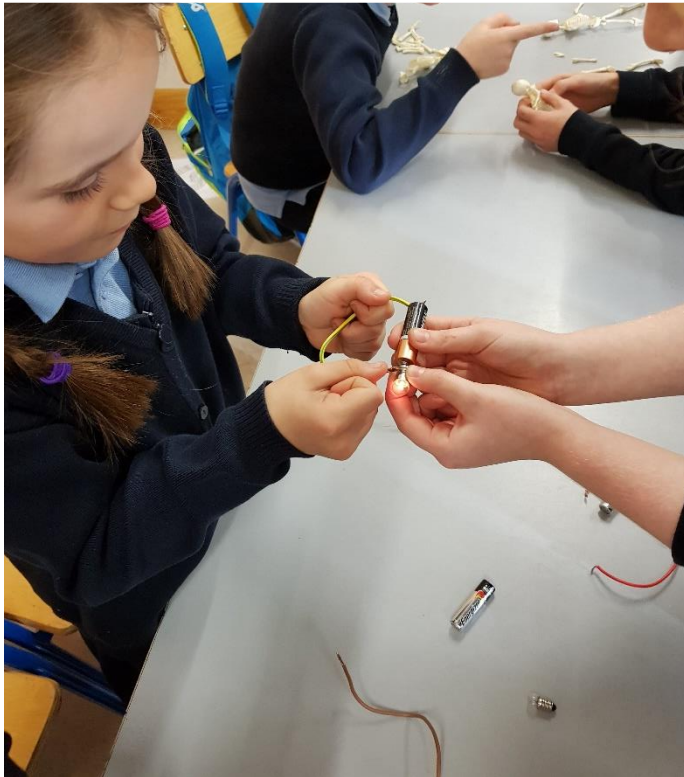
Science-Energy & Forces (Heat)

The senior room followed instructions and made delicious burgers. They observed the changes once heat was introduced. They also enjoyed eating their burgers!

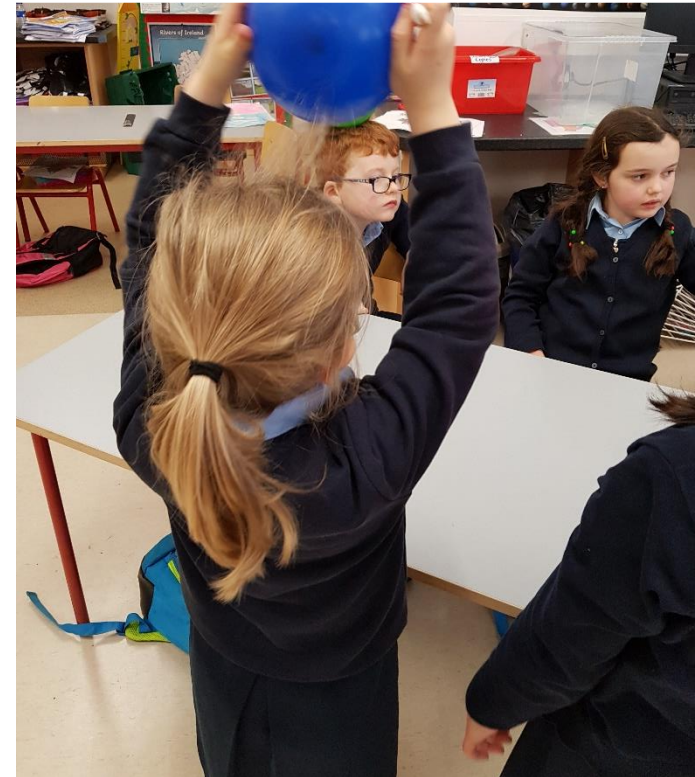


Science-Energy & Forces (Magnetism & electricity)

2nd class light bulbs using a wire, battery and a bulb.



1st class show Junior Infant pupils how to create static electricity.



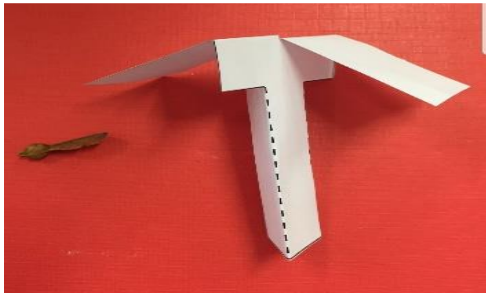
Science-Energy & Forces (Magnetism)



The Junior Room experimented with magnets, actively discovered which items stick to the magnet and called it magnetic or non-magnetic.

Science-Energy & Forces (Forces)

Through investigation 4th, 5th & 6th learned to appreciate that gravity is a force. The size of the rotor blades, the shape and the weight all affect the way a helicopter spins.

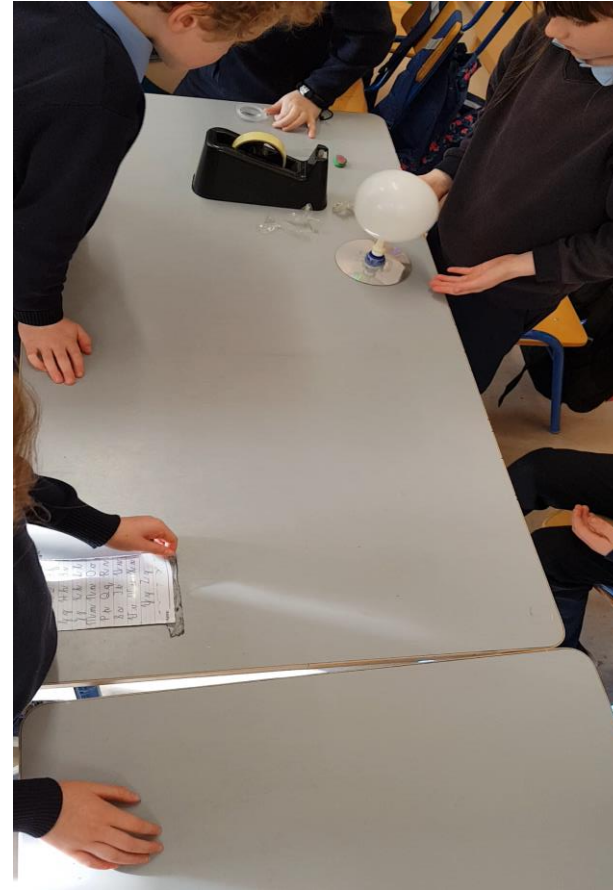


We skewered balloons without bursting them, it was certainly a challenge! We forced our way gently through the knot of the blown up balloon and through to the dark spot at the opposite end....without going "bang".



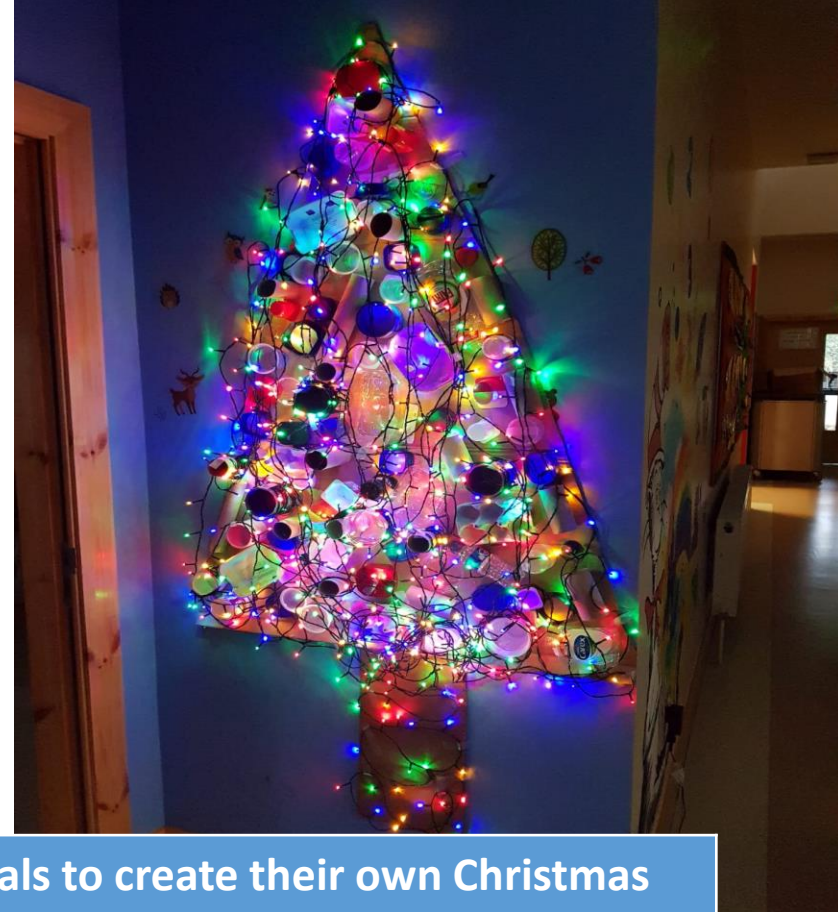
Science-Energy & Forces (Forces)

Watch our video. An object that is at rest, tends to stay at rest until some force makes it move. The coin has mass and will start to fall when our elbow moves, but our hand moves faster than the coin can drop. We eventually caught the coin!



2nd class created a hovercraft, see below.

Science-Materials



The Junior Room collected materials to create their own Christmas tree.

Science-Materials

2nd & 3rd integrated Geography and Science and used a variety of materials to create a variety of buildings.



Science-Materials

Cardboard, stones, moss, egg white and coconut dyed green were experimented with to re-create Newgrange.



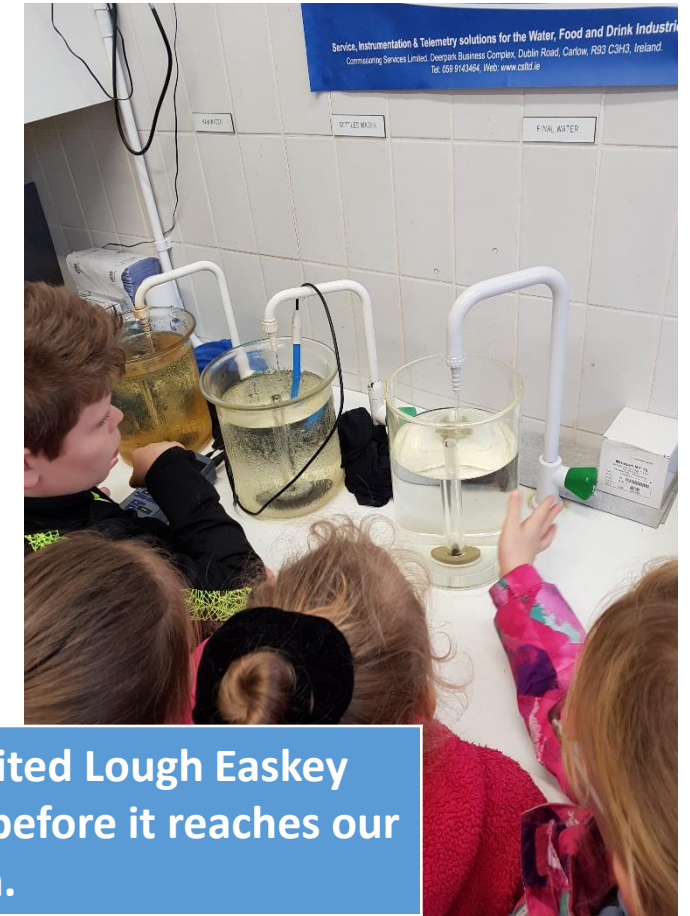
Materials

Everyone experimented with cornflour and water, is it a solid or liquid?



2nd & 3rd made earmuffs using newspaper and cellotape only.

Science-Environmental awareness & care (Green Flag-Theme:Water)



As part of our Green School, the middle and senior rooms visited Lough Easkey Water Treatment Facility and learned how our water is treated before it reaches our taps. Louise spoke about water conservation.

Science-Environmental awareness & care



Junior room continue to collect batteries and collect from every class every morning.



Junior room brought in recyclable items to create a Christmas Tree.



Science Week

Science Week Experiments

Tuesday, 20 November 2018, 10am – 1pm

Location: [St. Joseph's N.S. Bonniconlon, Co. Mayo](#)

Event description: Hands on science experiments

Region: Mayo

Audience: Primary Level Students

Is this event part of a Science Week

Festival?: No

Event Type: Workshop

Admission: A Private Event (Invitation Only)

Middle room host their science event, inviting the junior and senior room to their science experiments.



A visit to the Ceide Fields

3rd- 6th classes visited the heritage site, examined the surrounding bog and habitat.



A visit to the seashore with Dr. Bill Crowe



Senior room visited Pullaheeney Seashore with Heritage Expert Dr. Bill Crowe where they explored the variety of sea life.

Science Speakers



Dr. Bill Crowe discussed life on the seashore, showed us lots of interesting slides and preserved sealife.



After studying sound, Rowan Kelly was invited to our school to demonstrate the changes in sound technology. He also discussed in detail how his record player works.