

# Emo National School: 13642Q

## SIP: Science

Year 1: 2022-2023

### Curricular Team

Team Leader & SEN	A Casey
Jl/SI	A Dempsey/R Murphy
1 <sup>st</sup> /2 <sup>nd</sup>	L Hooban/ R Wilkinson/H Lewis
3 <sup>rd</sup> /4 <sup>th</sup>	B Maher/D Cushen
5 <sup>th</sup> /6 <sup>th</sup>	M Slevin/A Greene
Autism Classes	Ms. Boyle, Ms Bohane

### Context

To develop an active learning environment for the children in our school regarding science and explicitly teach science skills and provide pupils with opportunities to apply these skills.

To engage in formal design and make projects on at least three occasions during the school year and create a sense of fun and new learning with science.

### Rationale

Through our school's Science programme, we aim to help pupils to come to an understanding of and take an interest in the physical and biological world and environments around them. We believe that science should be a **practical** subject with opportunities to engage in hands on investigative work. To this end we will consciously develop children's **scientific skills** as well as their scientific knowledge. Environmental activities will foster a positive attitude and a sense of responsibility among our pupils for the natural and human environments.

### Evidence Gathered

- **Pupils survey**
- **Parents questionnaire**
- **Teachers 'Looking at our Science' review**
- Teachers felt that children needed more explicit teaching of science skills. They need to use science learning to develop their skills in other areas, to extend their knowledge and to develop an understanding of life- long learning.
- Teachers felt we needed C.P.D. on the skills aspect of the science curriculum

- Teachers felt we needed to review our whole school approach to planning to show a development of skills
- Pupils said that they would like to do more experiments, practice the skills and understand the language of science better.
- Parents felt that they would like more information about what is happening in school with regard to science.

### Priority Actions For Improvement

- Pupils will engage in formal **Design and Make projects** on at least three occasions during the school year.
  - New Science Programme “**Let’s Discover**” to be taught and embedded according to class level. (See Science Plan for content)
  - Visit chosen **habitats** at least 3 times a year and compare results from each fieldtrip.
  - **Science Fair** to take place in November and March this school year
  - **Science Week**-12<sup>th</sup>-19<sup>th</sup> November
  - **Assessment** of Science on **Ipads**: Recording of Experiments.
  - **6<sup>th</sup> Class** to take part in **Vex Robotics** this year as part of Science
  - **Use Science Journals** to record learning-Part of “Let’s Discover” Programme
  - **Green School** initiatives to promote Science- Revise with each class
- Green Flags (Energy, Water, Travel, Biodiversity and the Global Citizenship themes**