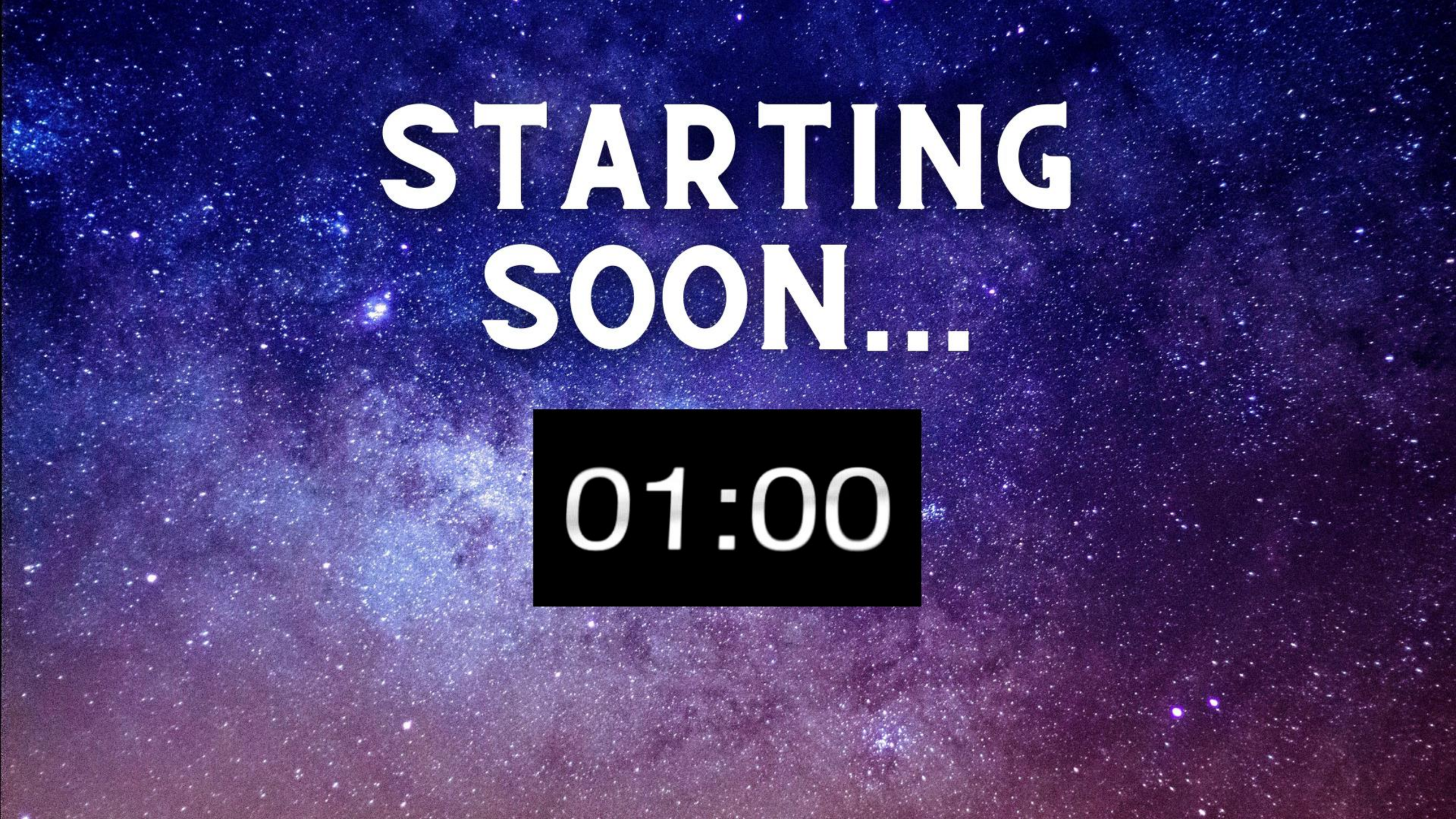

STARTING
SOON...
01:00

SOPHia for Science!

Science Foundation Ireland sfi For what's next

UNIVERSITY OF LIMERICK OLLSCOIL LUIMNIGH

IOP Institute of Physics Ireland

TAIT HOUSE COMMUNITY ENTERPRISE

INSTITUTE of TECHNOLOGY CARLOW
Institiúid Teicneolaíochta Cheatharlach

DR TOFAIL SYED	Head of Department of Physics, University of Limerick
DR GRÁINNE WALSHE	Project Lead, SOPHia
ELORA MCFALL	Coordinator & Facillitator, SOPHia
KELLY FITZGERALD	Education Officer, Tait House

sfi Science Foundation Ireland

UNIVERSITY OF LIMERICK OLLSCOIL LUIMNIGH

IOP Institute of Physics Ireland

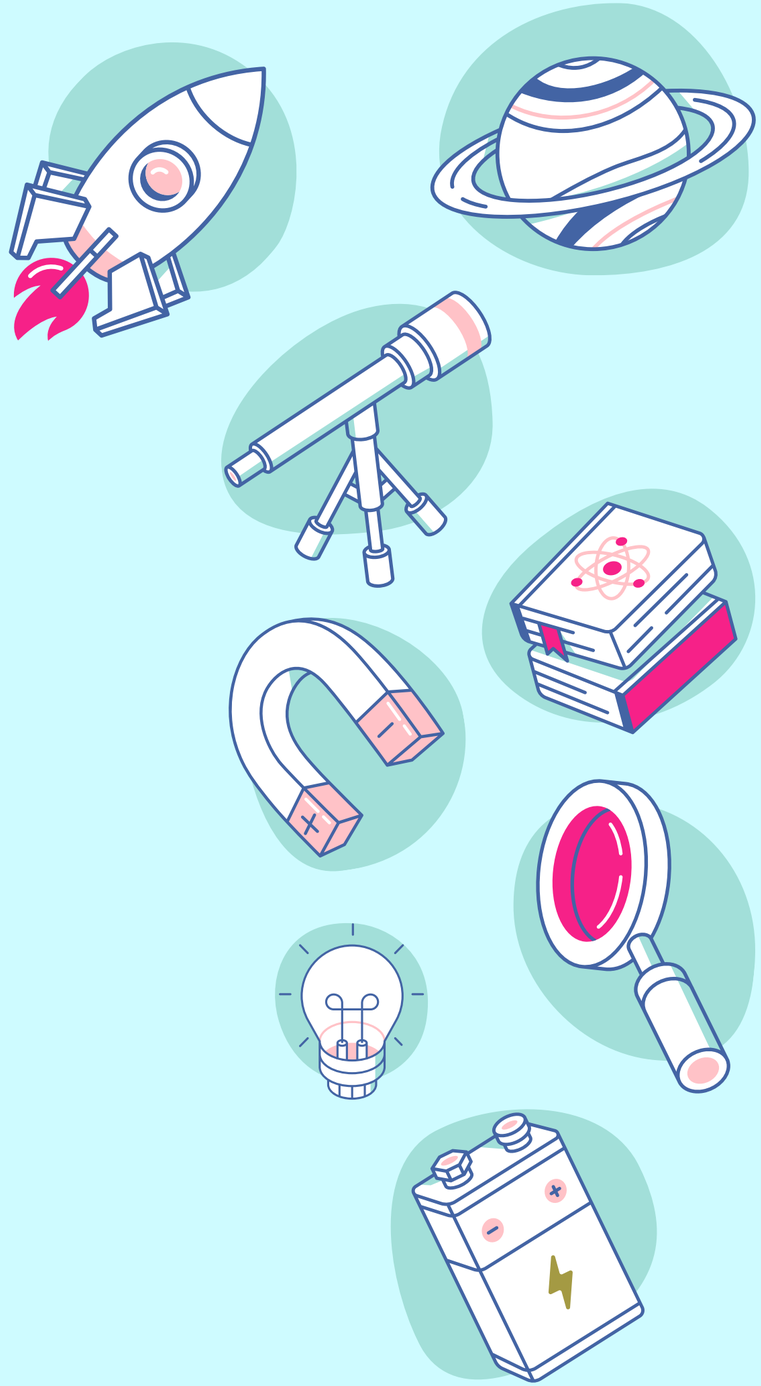
TAIT HOUSE COMMUNITY ENTERPRISE

Institiúid Teicneolaíochta Cheatharlach
INSTITUTE of TECHNOLOGY CARLOW
At the Heart of South Leinster

SOPHIA PHYSICS POSTER COMPETITION

Upper Primary

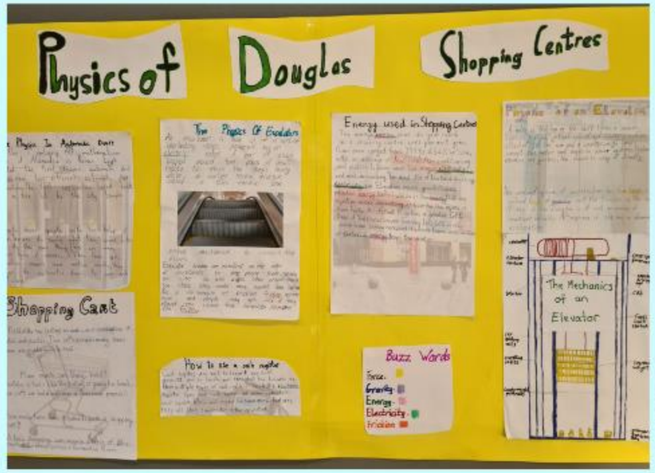
Special Prizes

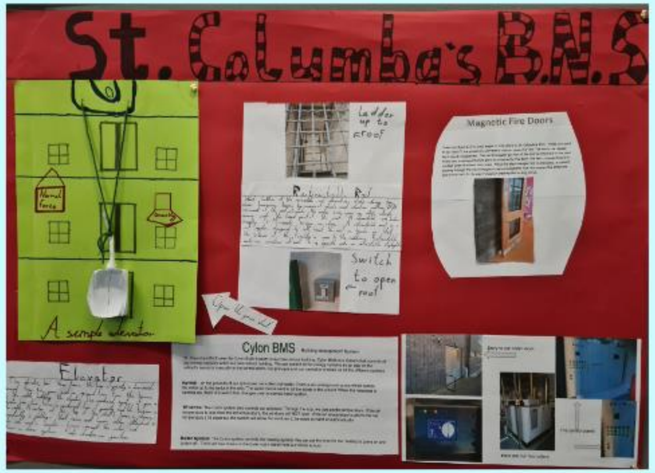


St Columba's BNS Douglas

Physics in the World Around Us

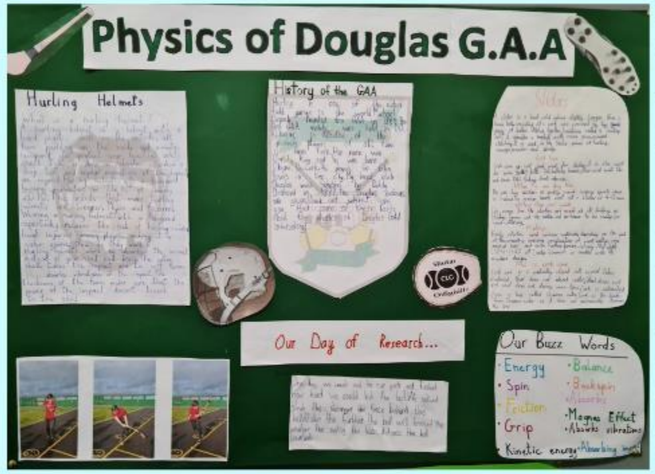
Jakub Dworzecki, Benson Kirara, Michael Hall, Connor Drummy, Nicki Hari & Kian O'Leary





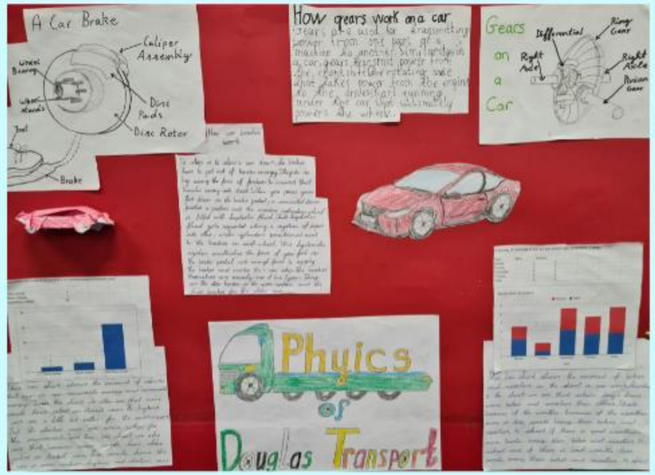
Krystian Bartnik, Declan Omahony, Robbie Hacket & Eric Ouyang

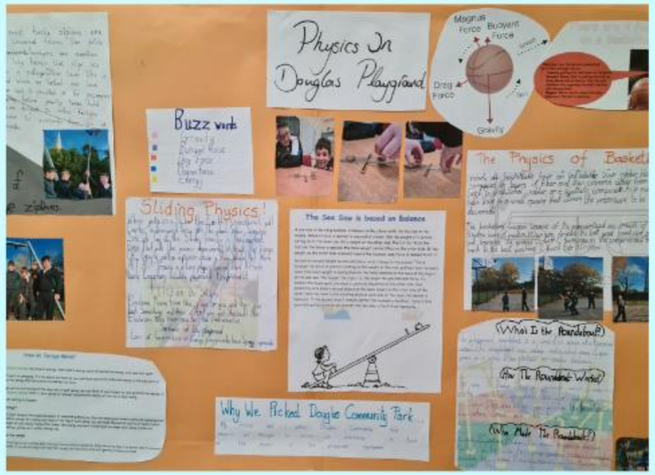
Sean Harrington, Ronan O'Sullivan, Teo Sime, Dmitrij Semionov, Leo Reidy & Conor Hughes



Fran Levatic, Daniel Yersis, & David Kelleher

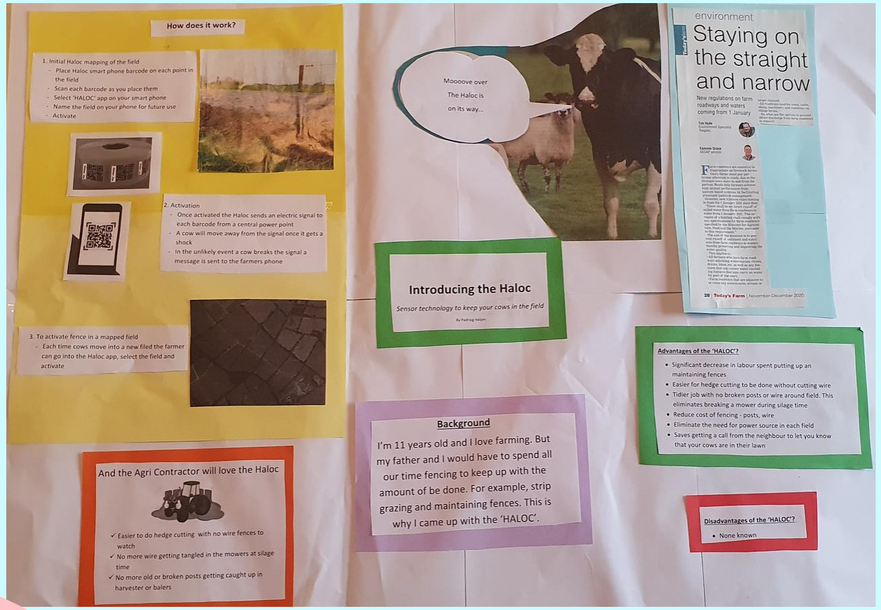
Victor Wilson, Anthony McCarthy & Emmanuel Oguoguo





Joshua O'Driscoll, Adam Cremin, Darragh Lynch, Leon Murphy, Richard Nkoyeale, Dalius Pogozelskis & Mihai Onofrei

Development & Design of the HALOC



Innovation

Padraig, Knocklong NS

Physicists Paving the Way for the Future

Influencers for Change

Aoife & Faye,
Gaelscoil Na Laochra

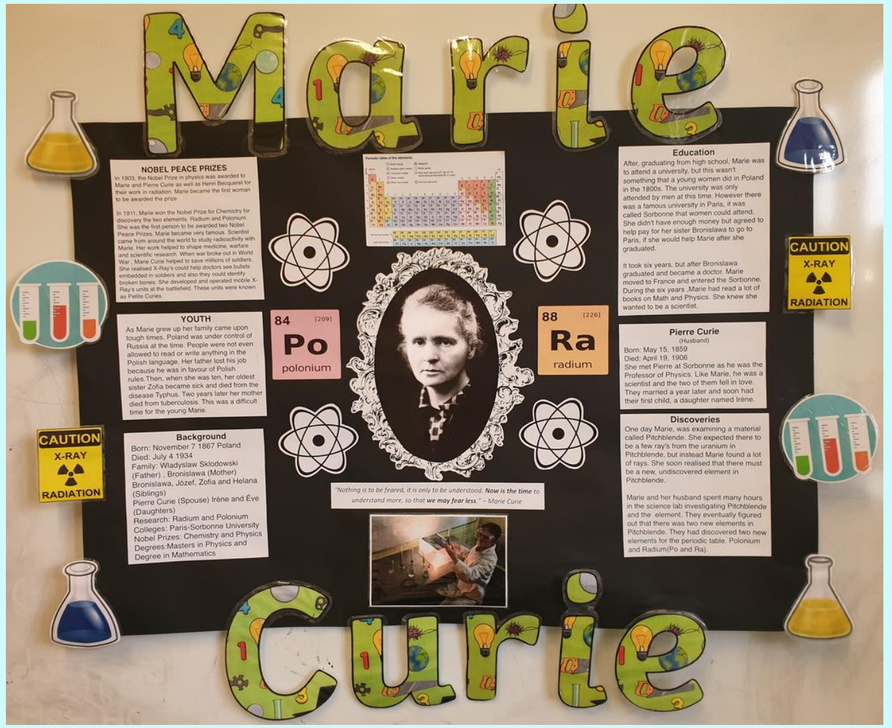
Kilmeedy NS

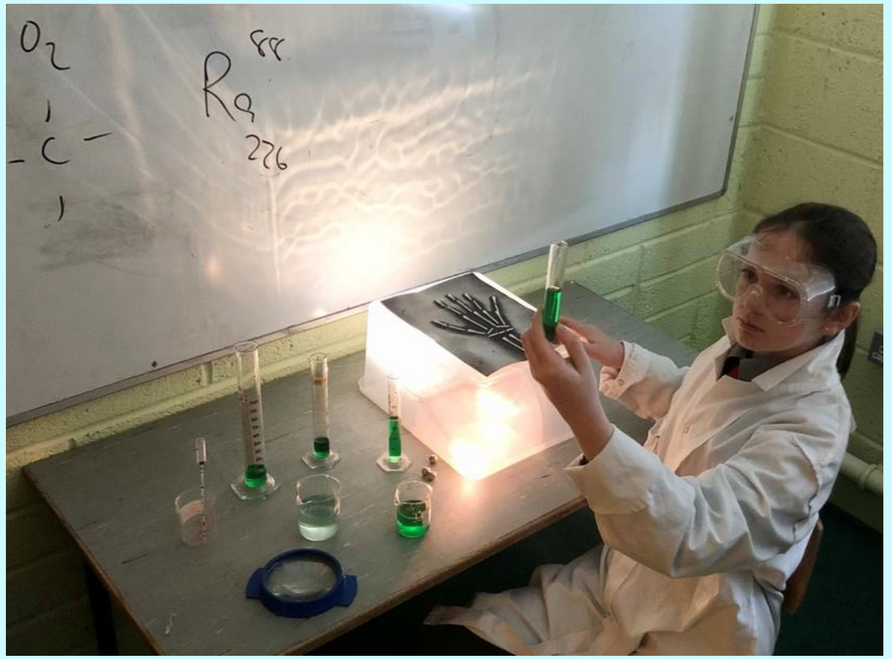
Muireann, Áine,
Rhys & Josh

Creativity

Group Winner

Sorcha
Kyle NS

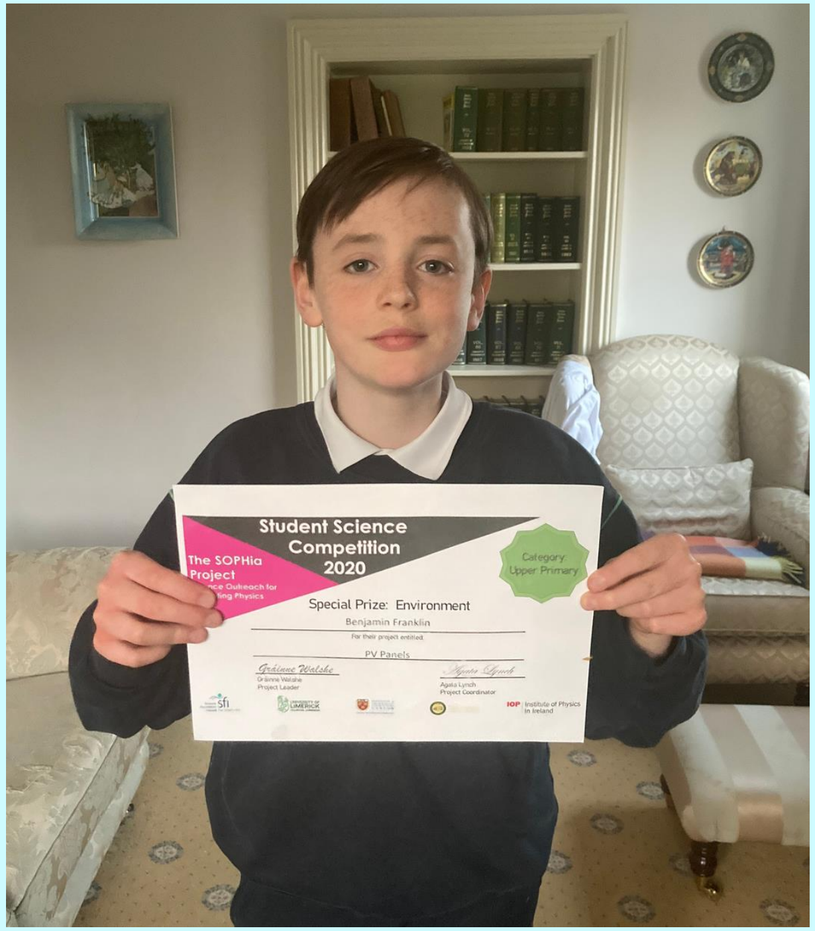


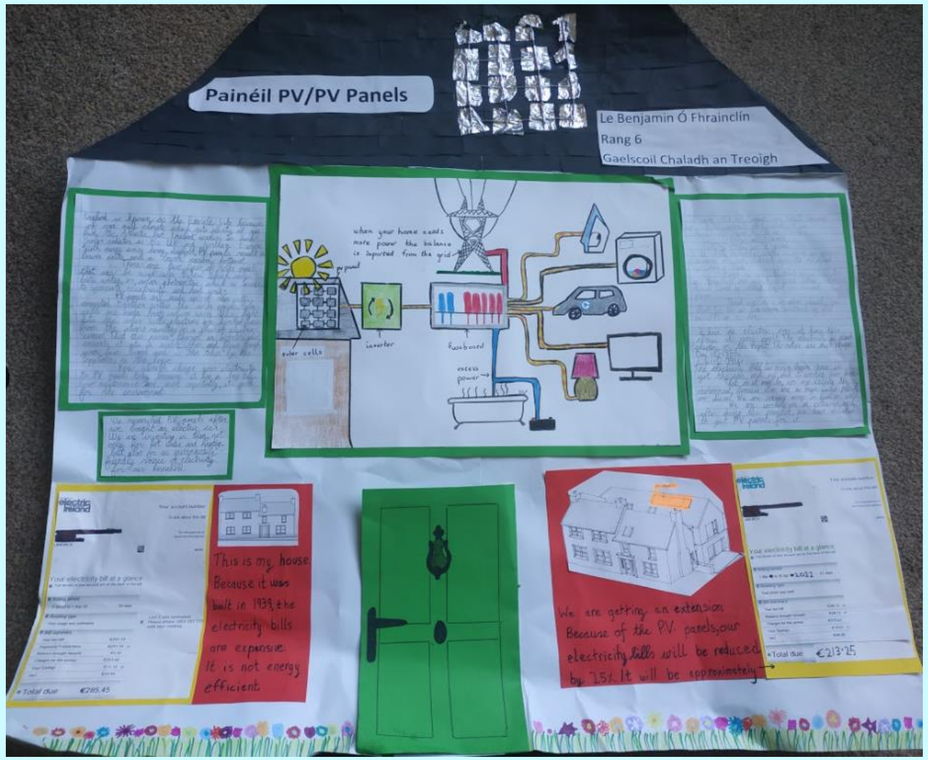


Creativity

Individual Winner

PV Panels



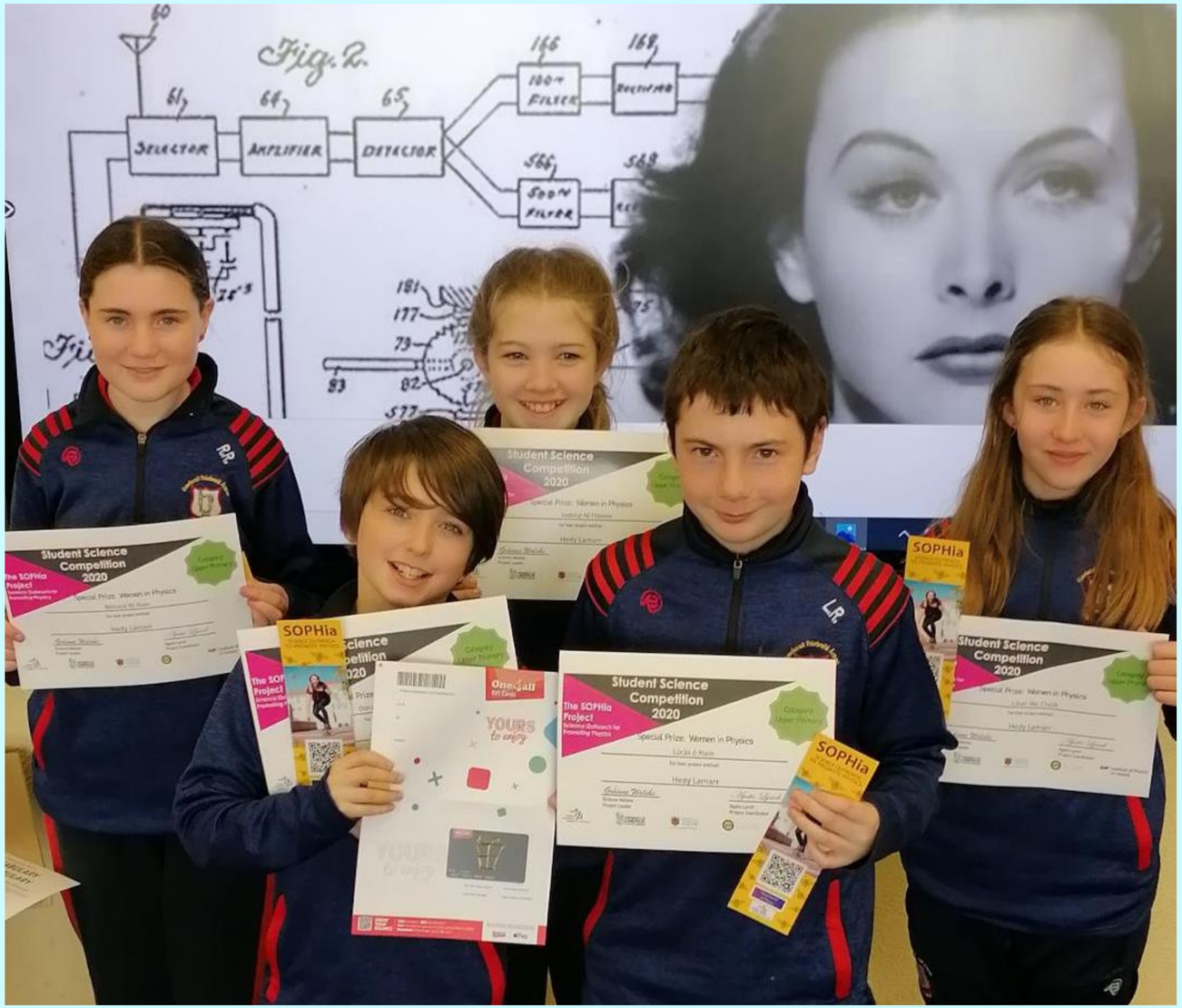


Environment

Benjamin,
Gaelscoil Chaladh an Treoigh

Hedy Lamarr

Réitseal, Lúcás, Donagh,
Lusaí agus Isobéal



Women in Physics

Gaelscoil Thiobraid Árann

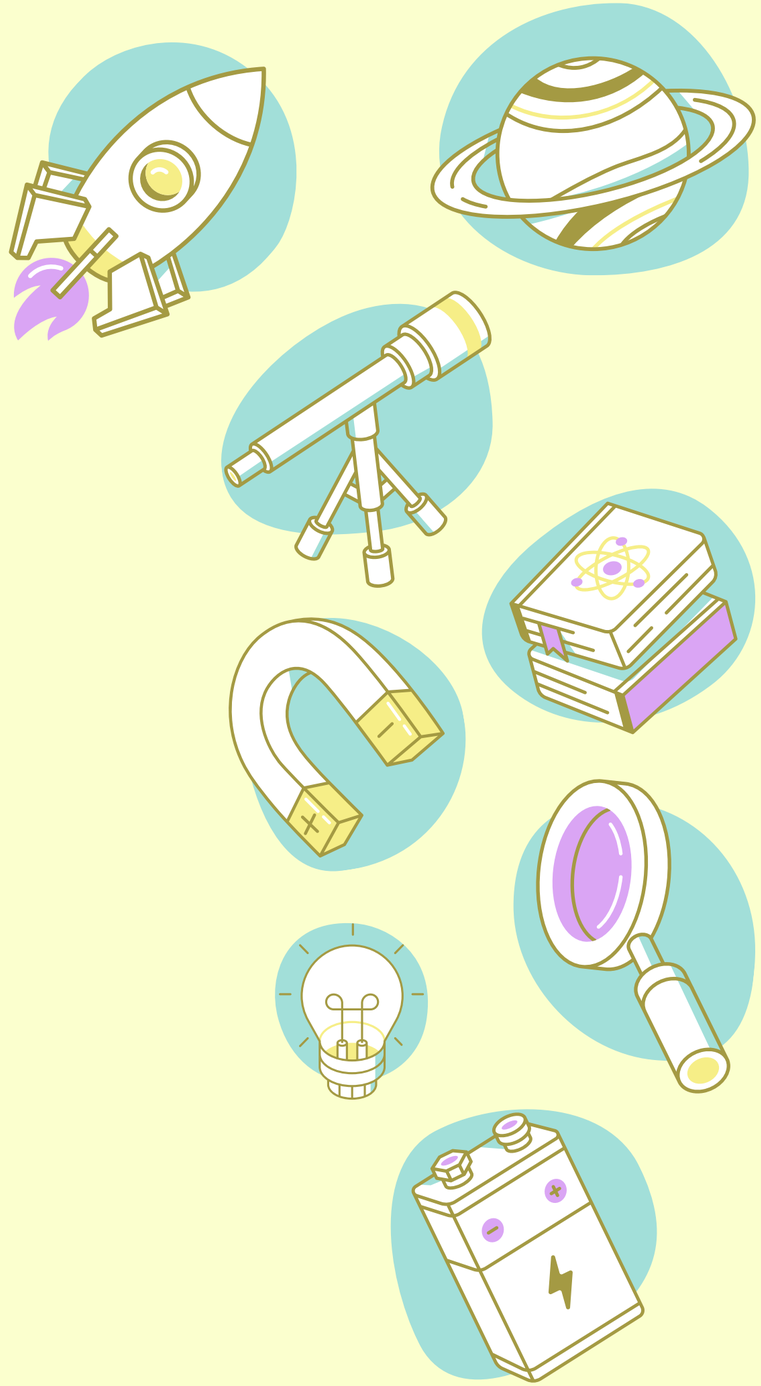
UPPER PRIMARY - Special Prizes

Physics in the World Around Us	5th Class	St Columba's BNS, Douglas
Innovation	Pádraig Halpin	Knocklong NS
Influencers for Change	Aoife and Faye	Gaelscoil na Laochra, Birr
Creativity (group)	Muireann O' Connor, Josh Gilbourne, Áine O' Callaghan and Rhys Devine	Kilmeedy NS, Limerick
Creativity (individual)	Sorcha O'Rourke	Kyle NS, Youghal
Environment	Benjamin Franklin	Gaelscoil Caladh an Treoigh
Women in Physics	Réitseal Ní Riaín, Donagh Ó Maoltuile, Lúcás ó Riain, Lúsaí Nic Craith and Isobéal NÍ Fhloinn	Gaelscoil Thiobraid Árann

SOPHIA PHYSICS POSTER COMPETITION

Upper Primary

Group Winners



Physics on the Farm

Matthew,
Michael
& Ronan

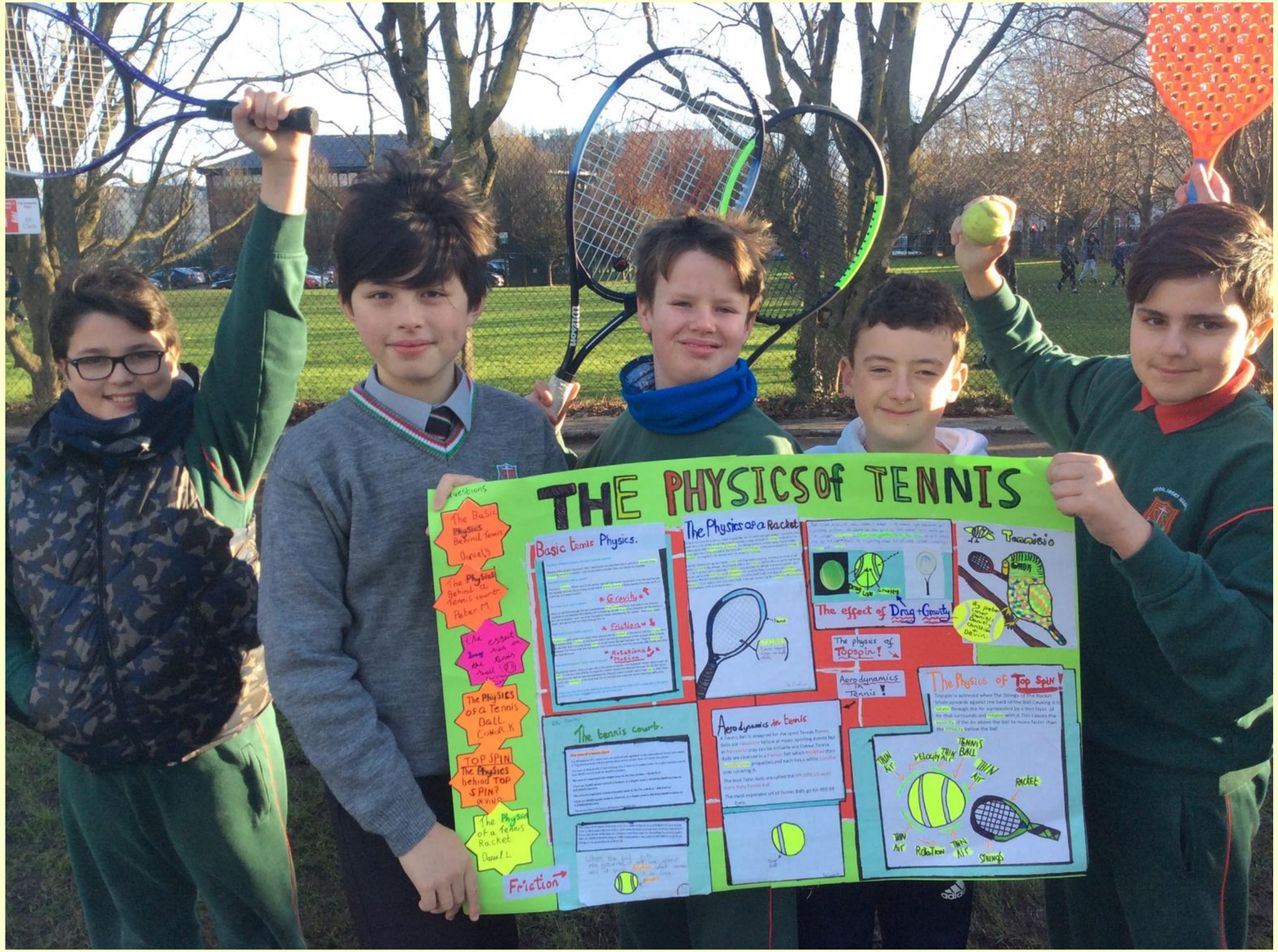
4th

Group Winner

Caherelly NS

The Physics of Tennis

Peter, Daniel,
Devin, Christian,
Conor & Daniel



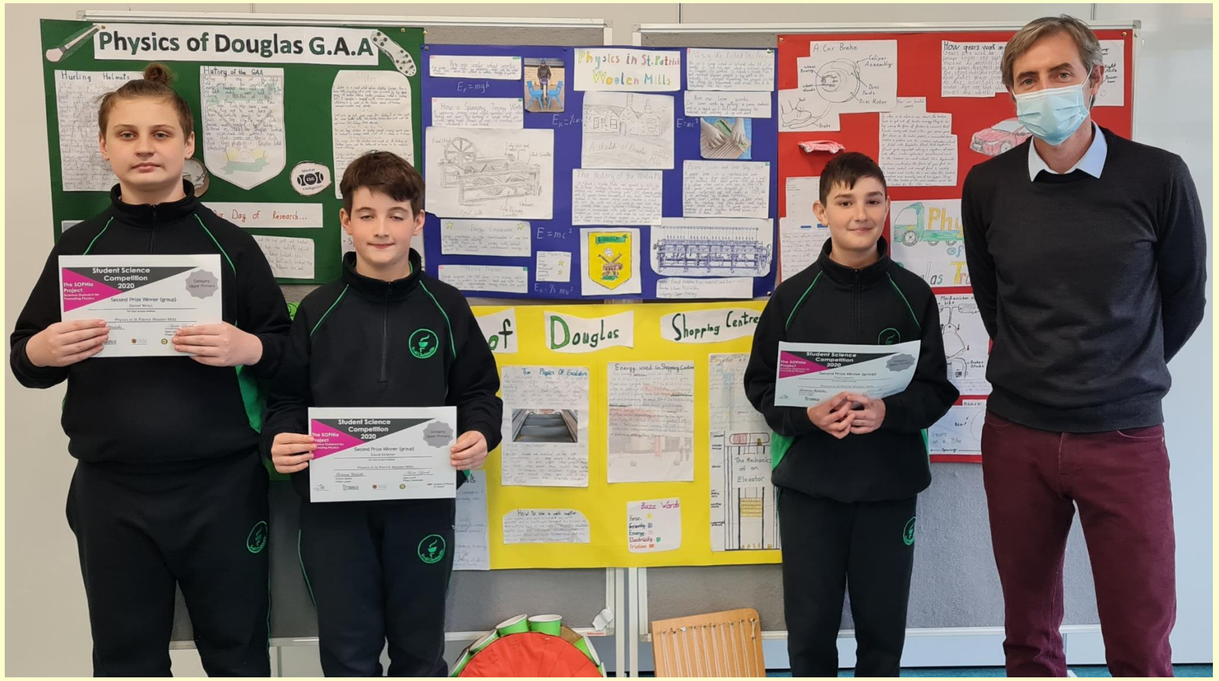
3rd

Group Winner

St Joseph's NS

Physics of St Patrick's Woolen Mills

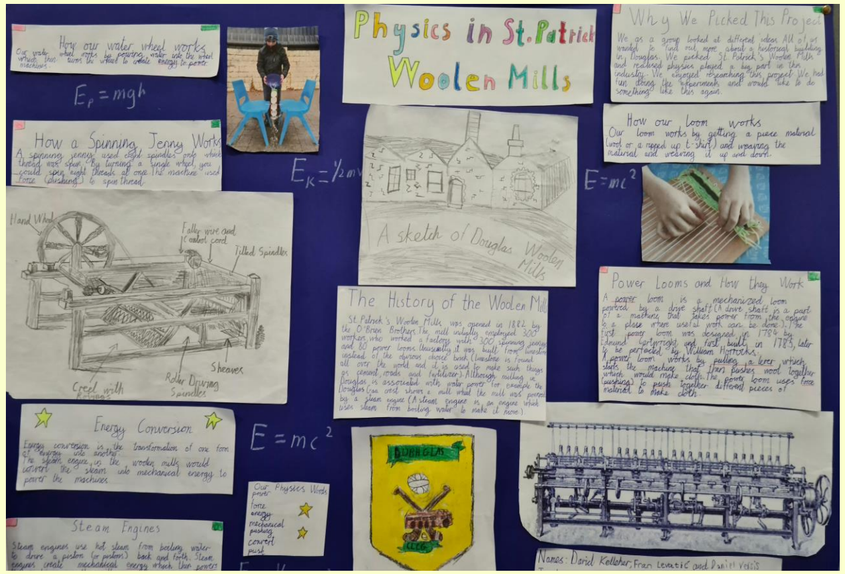
David,
Daniel
& Fran



2nd

Group Winner

St Columba's BNS



Two Metres, Too Little

1st

Group Winner

Scoil Íde

6th Class

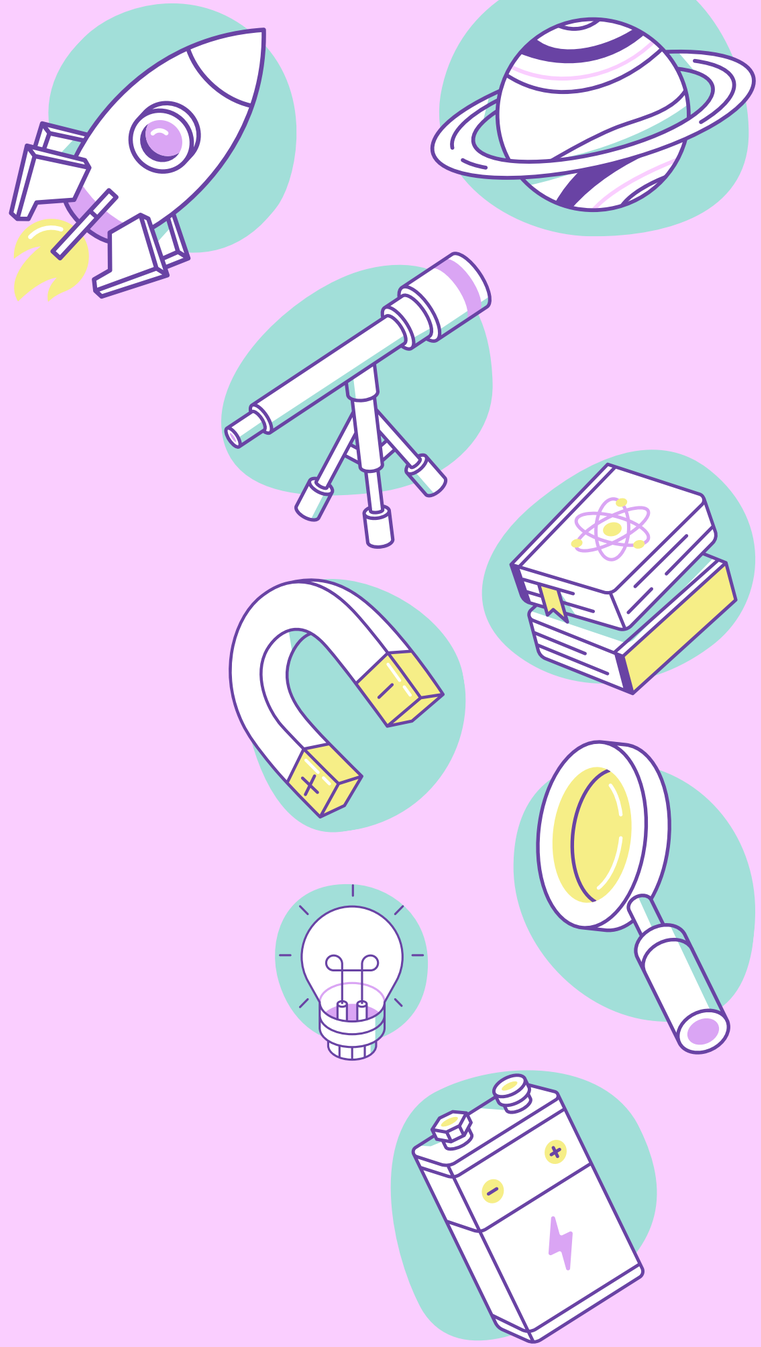
UPPER PRIMARY - Group Winners

1st place	6th Class	Scoil Íde, Corbally,
2nd place	Fran Levatic, Daniel Yersis & David Kelleher	St. Columba's BNS, Douglas
3rd place	Peter, Daniel, Devin, Christian, Conor & Daniel	St. Joseph's NS, Cork
4th place	Matthew, Michael & Ronan	Caherelly NS

SOPHIA PHYSICS POSTER COMPETITION

Upper Primary

Individual Winners



Solar Eclipse

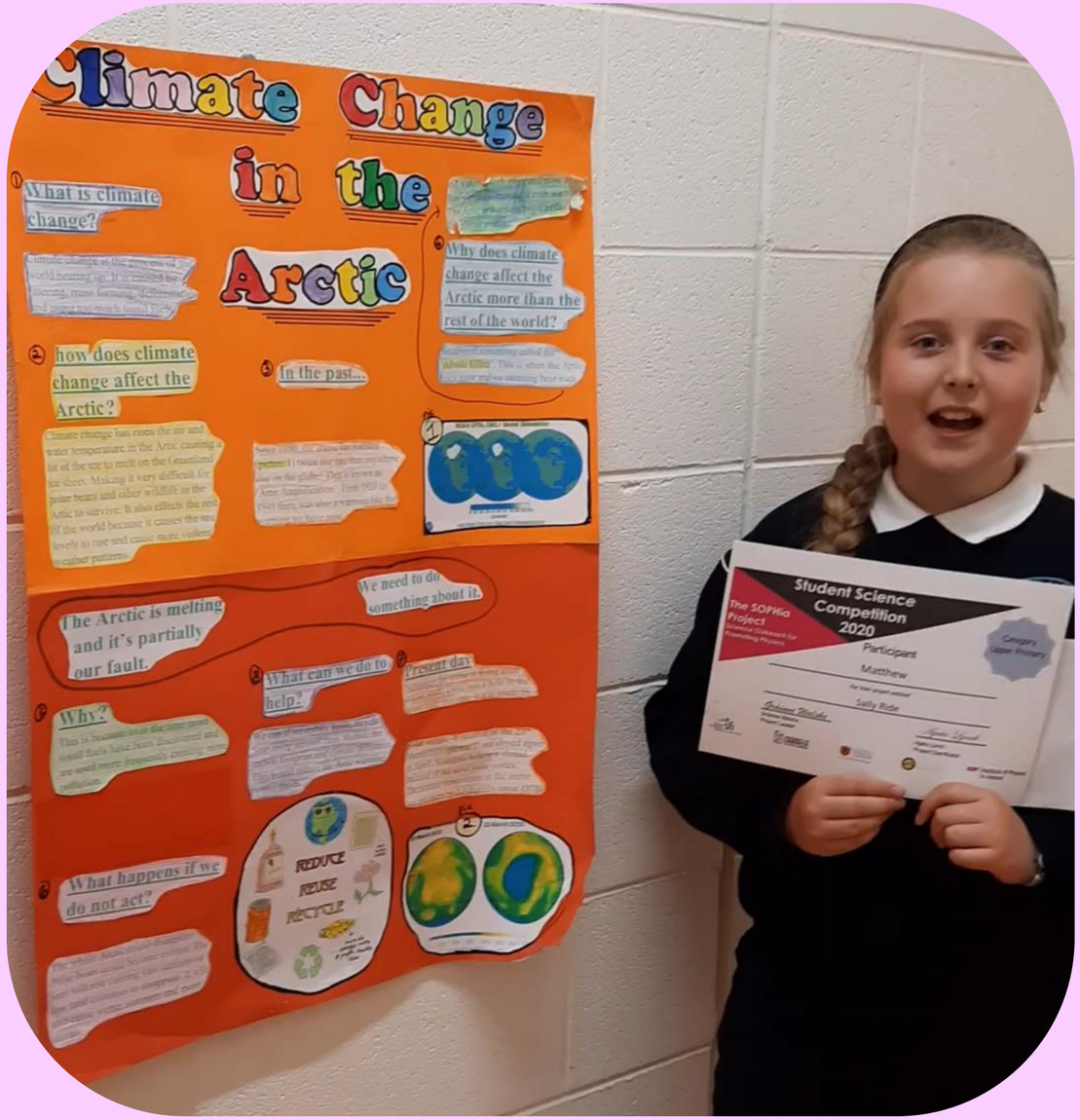
4th

Individual Winner

Clodagh

Scoil an Spioraid Naomh

Climate Change in the Arctic



3rd

Individual Winner

Aoife

Clondroihid NS

Women Who Changed the World of Physics

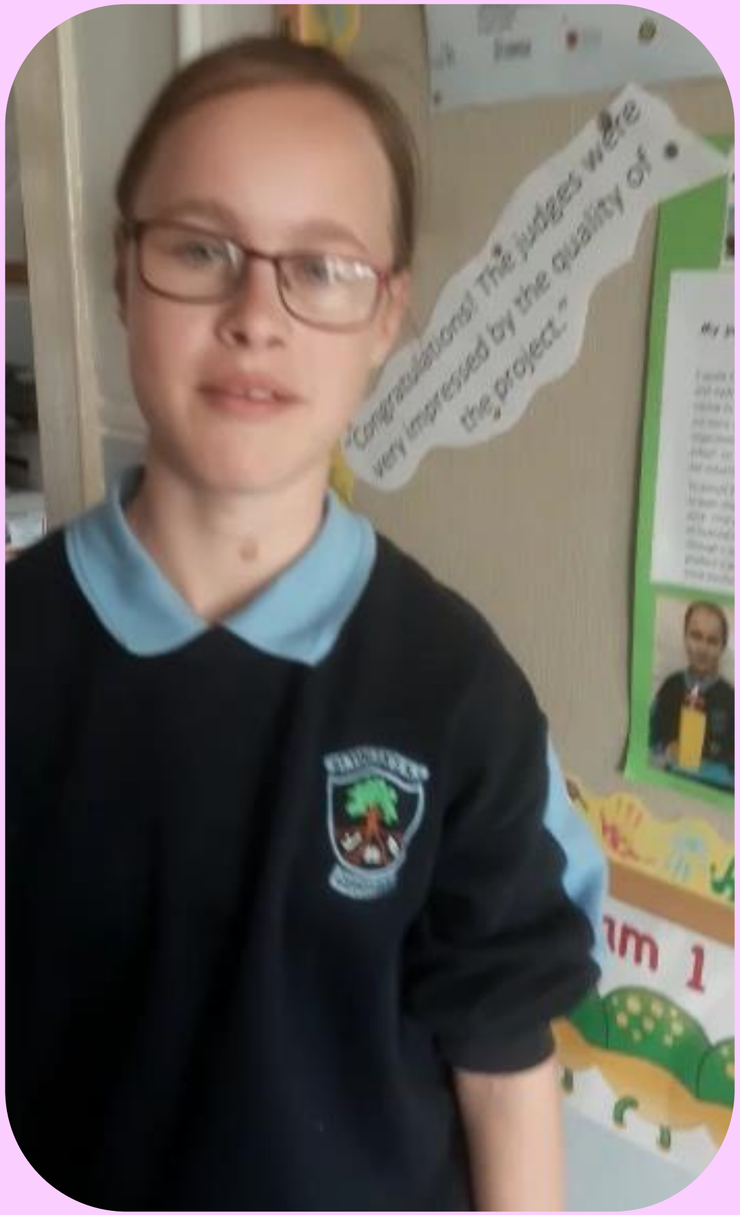
2nd

Individual Winner

Katelyn

Little Flower NS

Hydrolics in Action



1st

Individual Winner

Rachel

Garryhill NS

UPPER PRIMARY - Individual Winners

1st place	Rachel Byrne	Garryhill NS, Carlow
2nd place	Katelyn Barry	Little Flower NS, Ballytarsna
3rd place	Aoife O'Connor	Clondrohid NS, Macroom
4th place	Clodagh Quinn	Scoil an Spioraid Naoimh, Roxborough

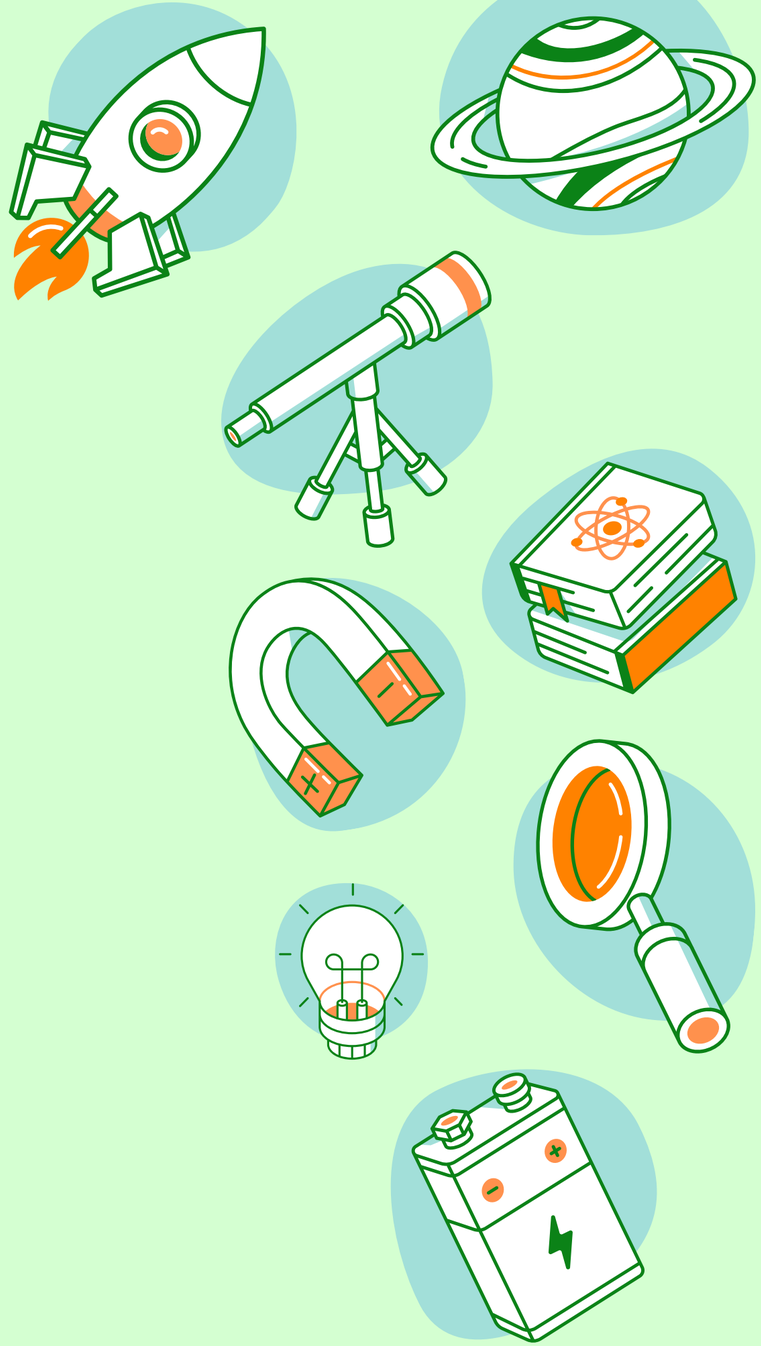
LUCY KINGHAN

IOP Institute of Physics
Ireland

SOPHIA PHYSICS POSTER COMPETITION

Junior Cert

Special Prizes



Electrostatics and Aerial Electroreception in Bees

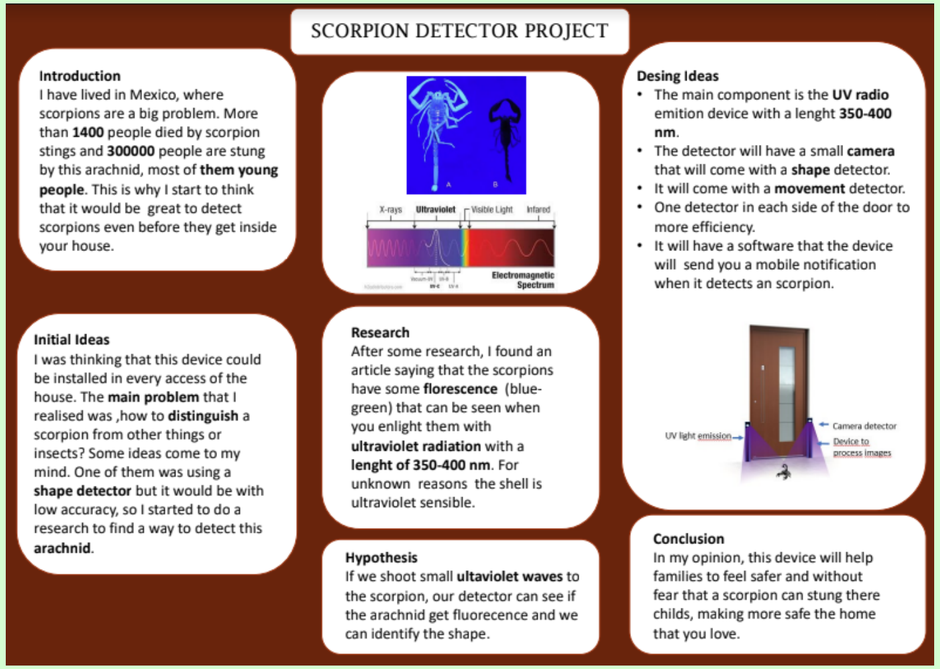
Environment

Shauna
Castle Island Community College

Scorpion Detector

Innovation

Sofia
Christ King Secondary School



Exoplanets

Space

David
St Francis College

Rochestown College
@rococork

Congratulations again to David Nowojewski (2B) who has won the space category in the @sophiaphysics competition for his poster on Exoplanets. Here is Mr McCarthy presenting David with his prize and certificate today. A wonderful achievement! 👏 🚀 🌎
#sophiaphysics #exoplanets

Stephanie Kwolek

Women in Physics

Sinéad
Coláiste Íde

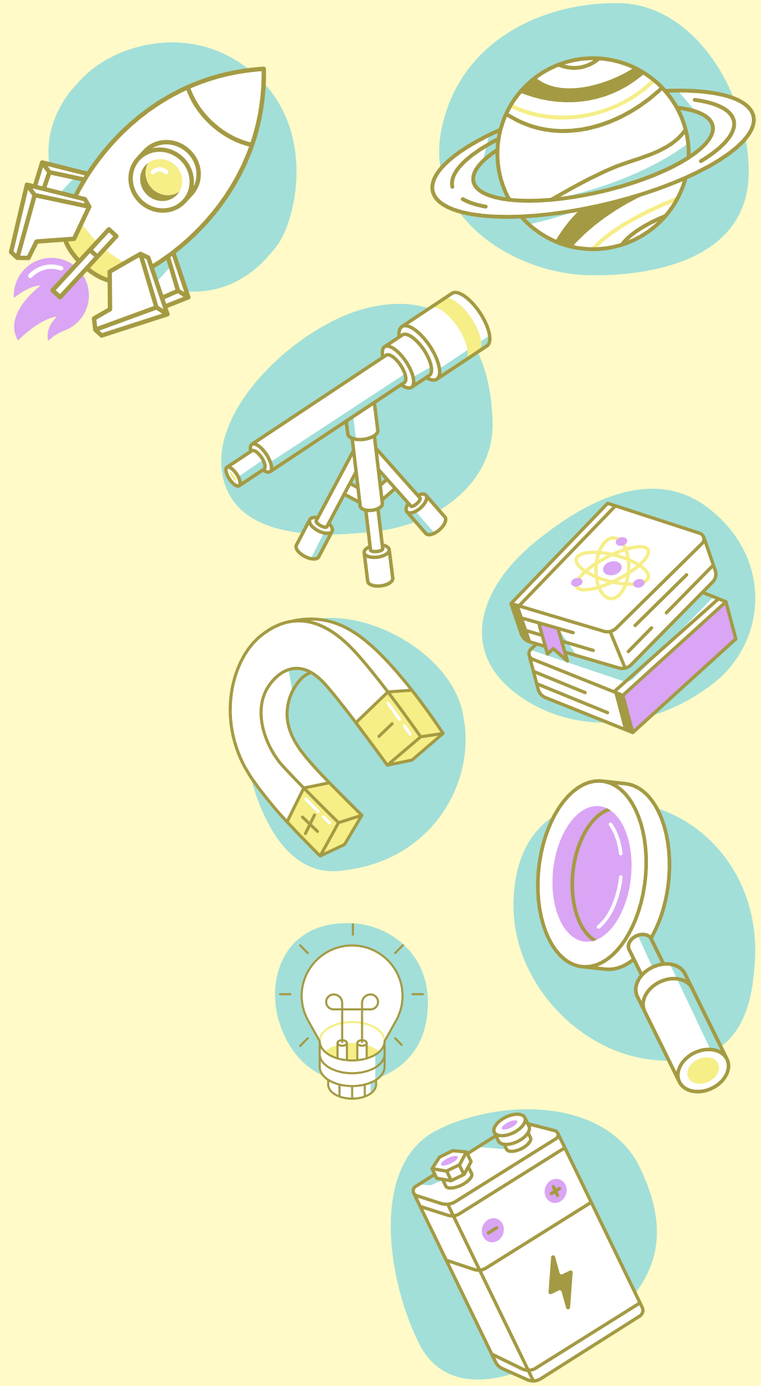
JUNIOR CERT - Special Prizes

Innovation	Sofia Salinas-Espinoza	Christ King Secondary School, Cork
Space	David Nowojewski	St.Francis College, Rochestown
Environment	Shauna O' Keeffe	Castle Island Community College, Kerry
Women in Physics	Sinéad de Burca	Coláiste Íde, Kerry

SOPHIA PHYSICS POSTER COMPETITION

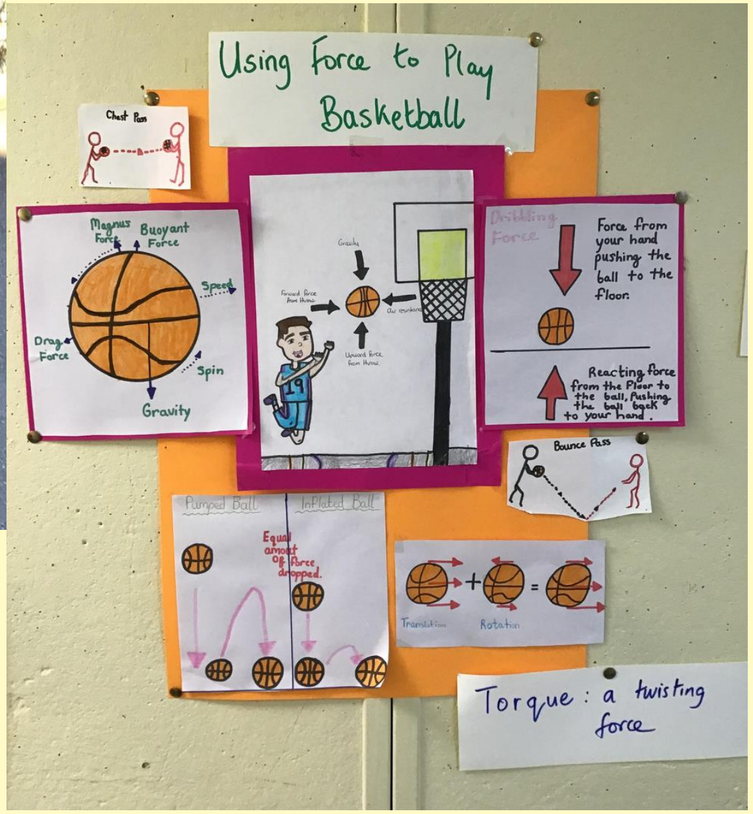
Junior Cert

Group Winners



Forces Used to Play Basketball

Leanne &
Rhiannon



4th

Group Winner

St Vincent's, Cork

Physics Behind the Shark

Orla, Diana & Miriam

3rd

Group Winner

St Anne's, Tipperary

SODA ROCK-IT

Fia, Elyse
& Eimear

2nd

Group Winner

Presentation, Milltown

Physics Supporting Key GAA Decisions

Chloe, Emma, Lily, Isabelle & Sophia

1st

Group Winner

St Anne's, Tipperary

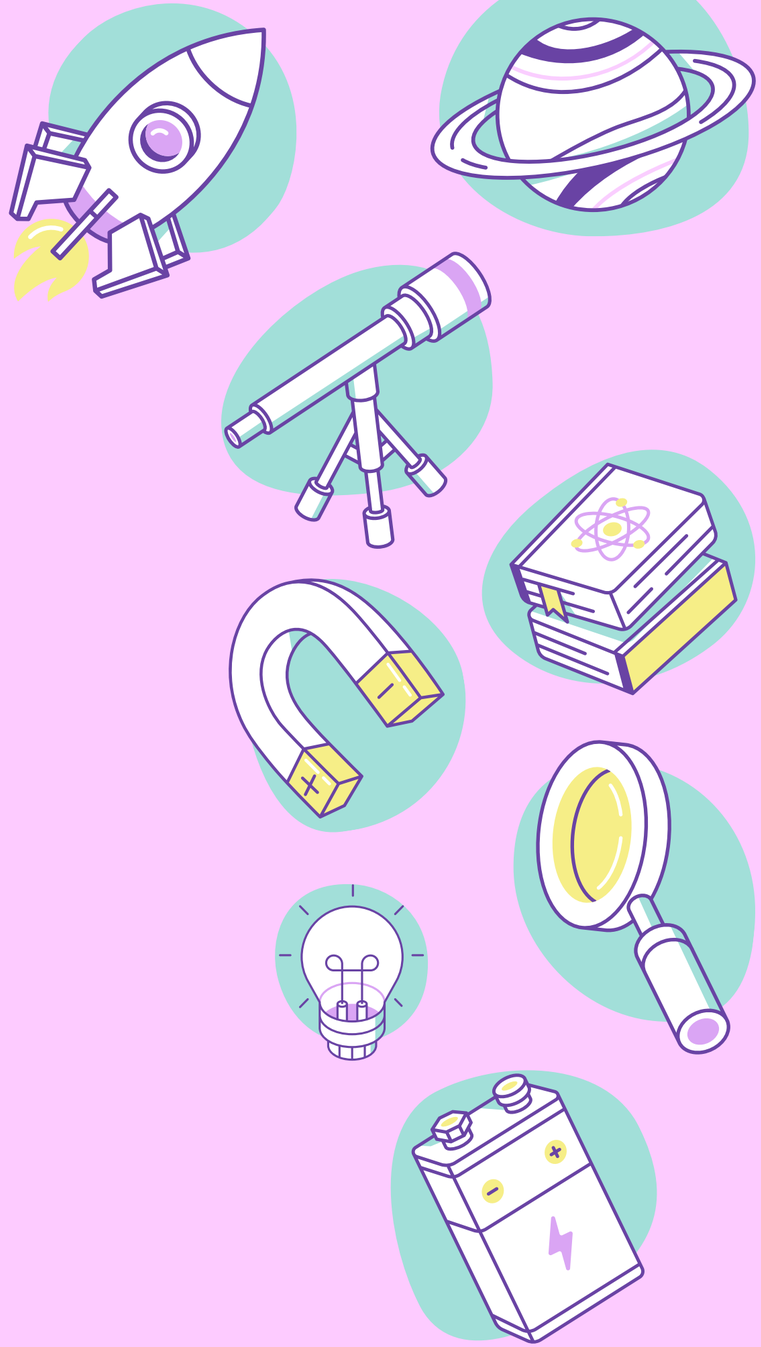
JUNIOR CERT - Group Winners

1st place	Isabelle, Emma, Lily, Chloe and Sophia	St Anne's Secondary School, Tipperary Town
2nd place	Fia Whelan, Elyse Barrett & Eimear Coffey	Presentation Secondary School, Milltown
3rd place	Diana, Orla & Mariam	St Anne's Secondary School, Tipperary Town
4th place	Leanne Higgins & Rhiannon	St. Vincent's Secondary School, Cork

SOPHIA PHYSICS POSTER COMPETITION

Junior Cert

Individual Winners



Fuinneamh agus Teas

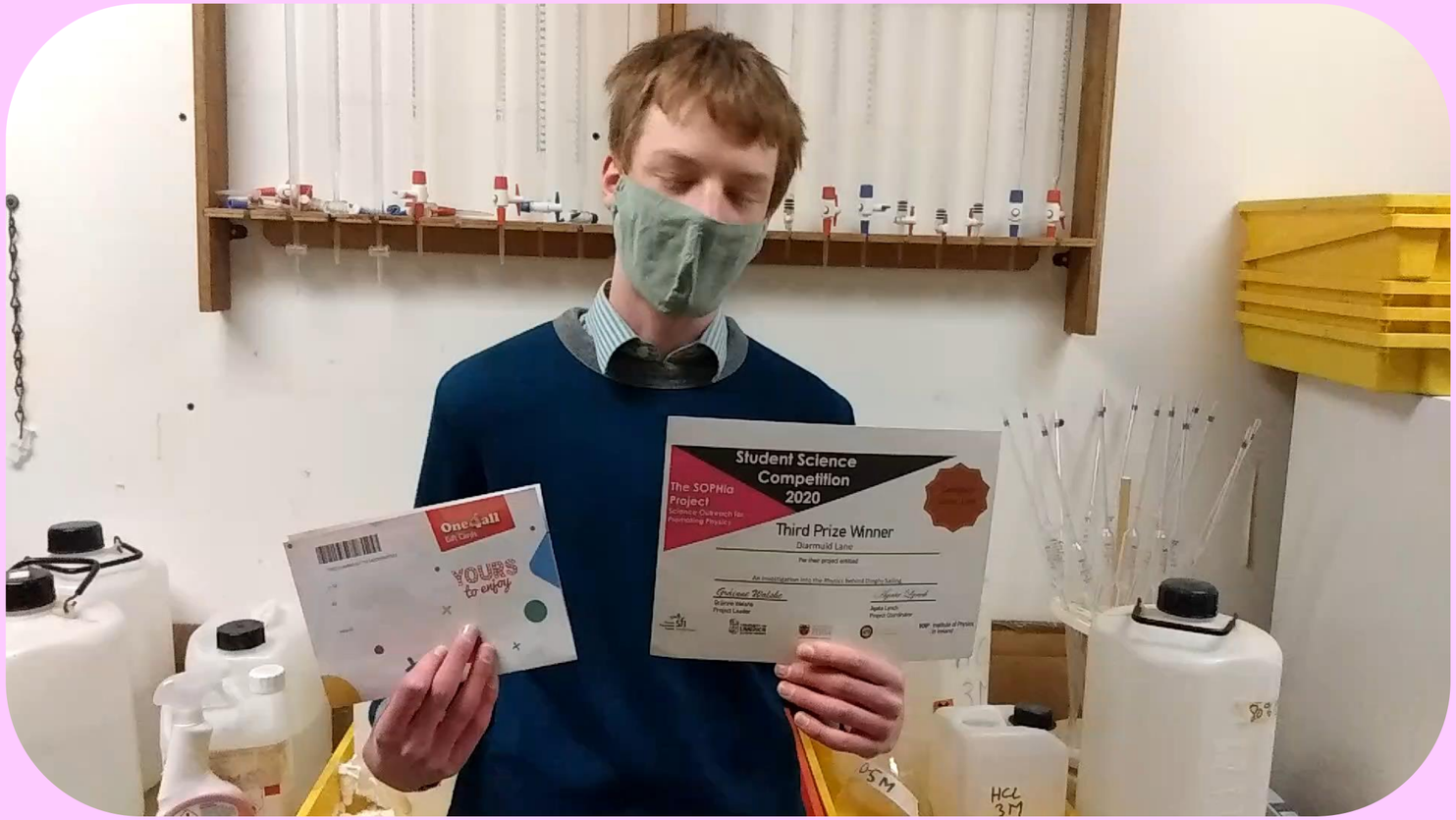
4th

Individual Winner

Caoilinn

Coláiste Íde

Physics Behind Dinghy Sailing



3rd

Individual Winner

Diarmuid

Coláiste Choilm

Physics of Alarm Clocks

2nd

Individual Winner

Rayaa

Christ King, Cork

Drones

1st

Individual Winner

Peri-Elkie

Christ King, Cork

JUNIOR CERT - Individual Winners

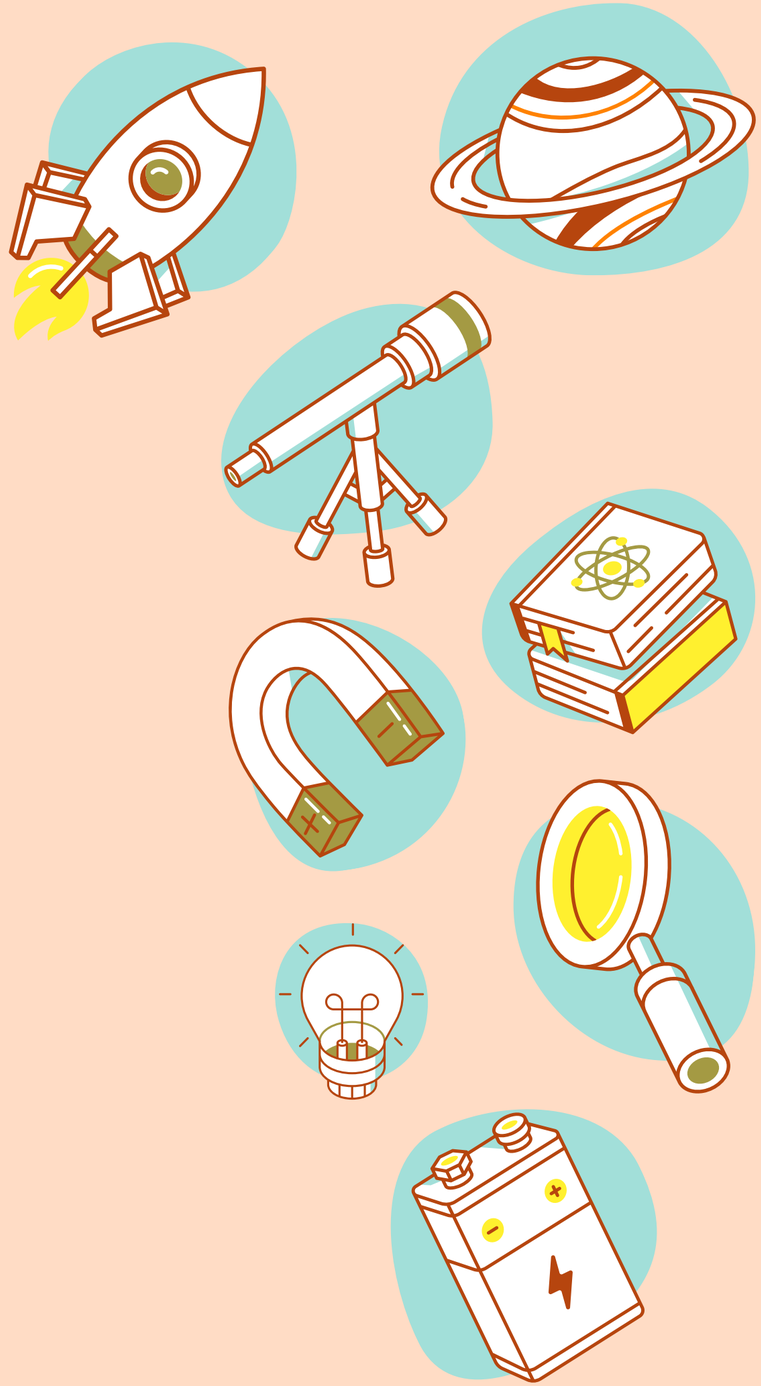
1st place	Peri-Elkie Tiendioh	Christ King Secondary School, Milltown
2nd place	Rayaa Ponnle Onog	Christ King Secondary School, Milltown
3rd place	Diarmuid Lane	Coláiste Choilm
4th place	Caoilin Ní Laoire	Coláiste Íde, Kerry

MARIA QUINN

SOPHIA PHYSICS POSTER COMPETITION

Transition Year

Special Prizes



Women In Physics

Chloe, Lauren, Celia,
Bríd-Anne & Leanne

Women in Physics

Castle Island
Community College

Amazing Women Ignored

Casting a Light on Physics

Kevin

Presentation, Milltown

Women In Physics

Shauna, Bernadette,
Rachel, Emma & Abbie

Influencers for Change

Castle Island
Community College

Physics in Nature and the World Around Us

Sarah, Hector & Kerry

Creativity

Castle Island
Community College

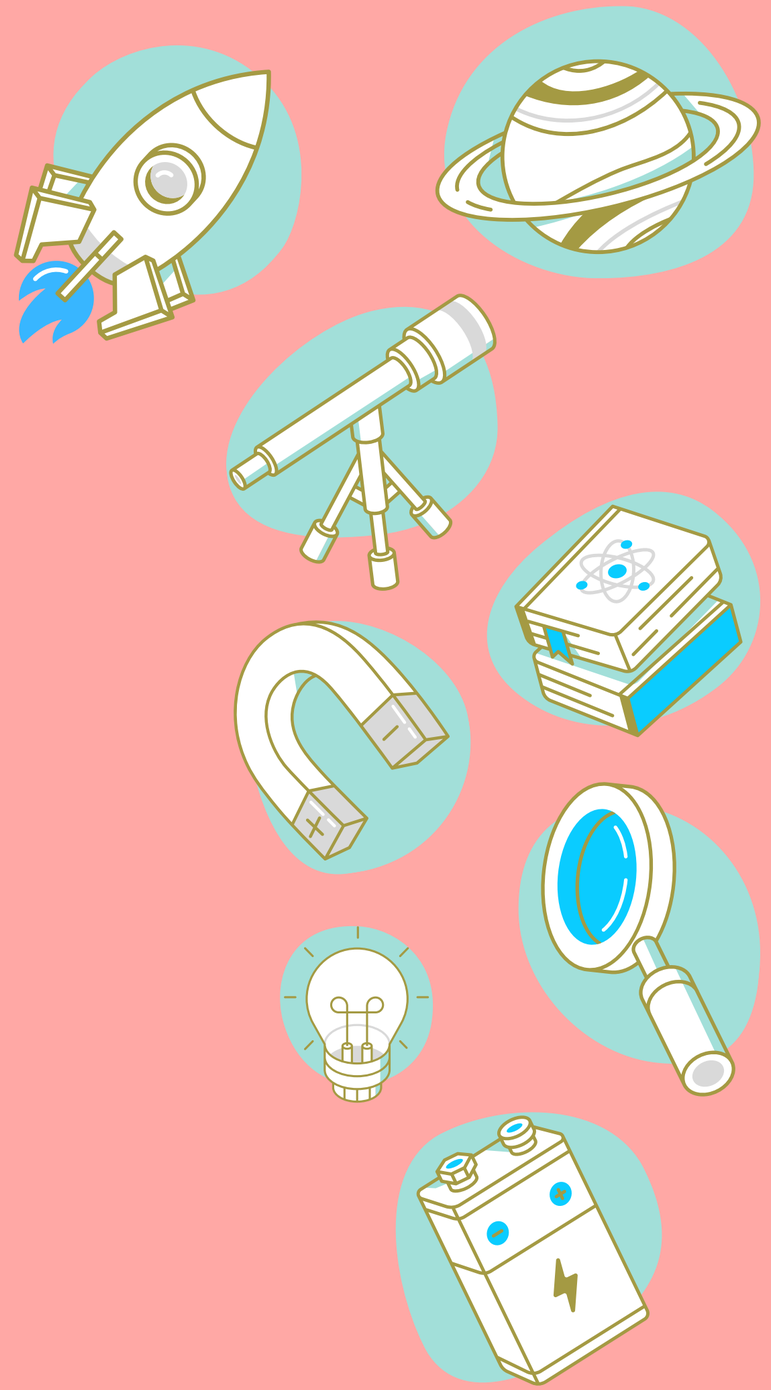
TRANSITION YEAR - Special Prizes

Women in Physics	Chloe Barrett, Lauren O'Sullivan, Bríd-Anne Crowley, Danielle Flynn & Celia McMahon	Castle Island Community College, Kerry
Casting a Light on Physics	Kevin O'Callaghan	Presentation Secondary School, Milltown
Influencers for Change	Shauna Tangney, Abbie Mahony, Rachel Murphy & Bernadette O'Mahony	Castle Island Community College, Kerry
Creativity	Sarah O' Connor, Kerry Hennessy, Hector Barranco Canales & Freddie Galwey	Castle Island Community College, Kerry

SOPHIA PHYSICS POSTER COMPETITION

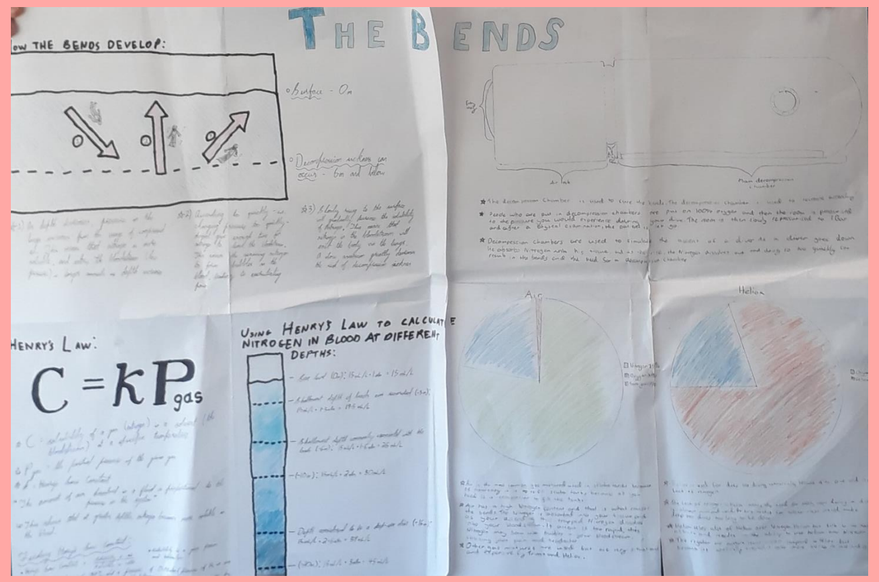
Transition Year

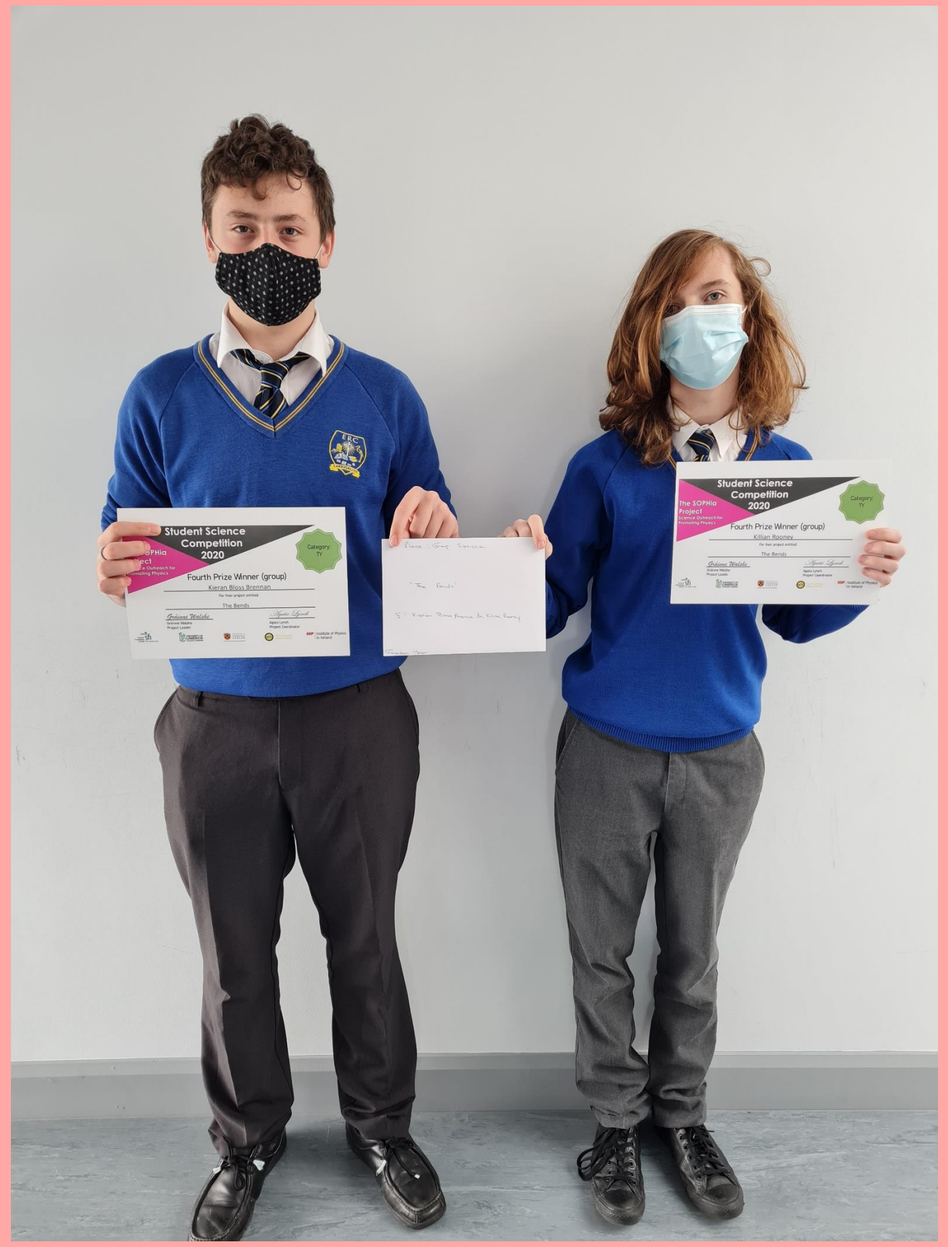
Group Winners



The Bends

Kieran & Killian





4th

Group Winner

Edmund Rice College

Gravity in Space

Carla, Cianna,
Cara & Sophie

3rd

Group Winner

Presentation, Milltown

The Life & Findings of Jocelyn Bell Burnell

Elaine, Heidi,
Aoife & Amy

2nd

Group Winner

Presentation, Milltown

The Physics of Bees

Jessica, Mary & Ciara

1st

Group Winner

Castle Island Community College

TRANSITION YEAR - Group Winners

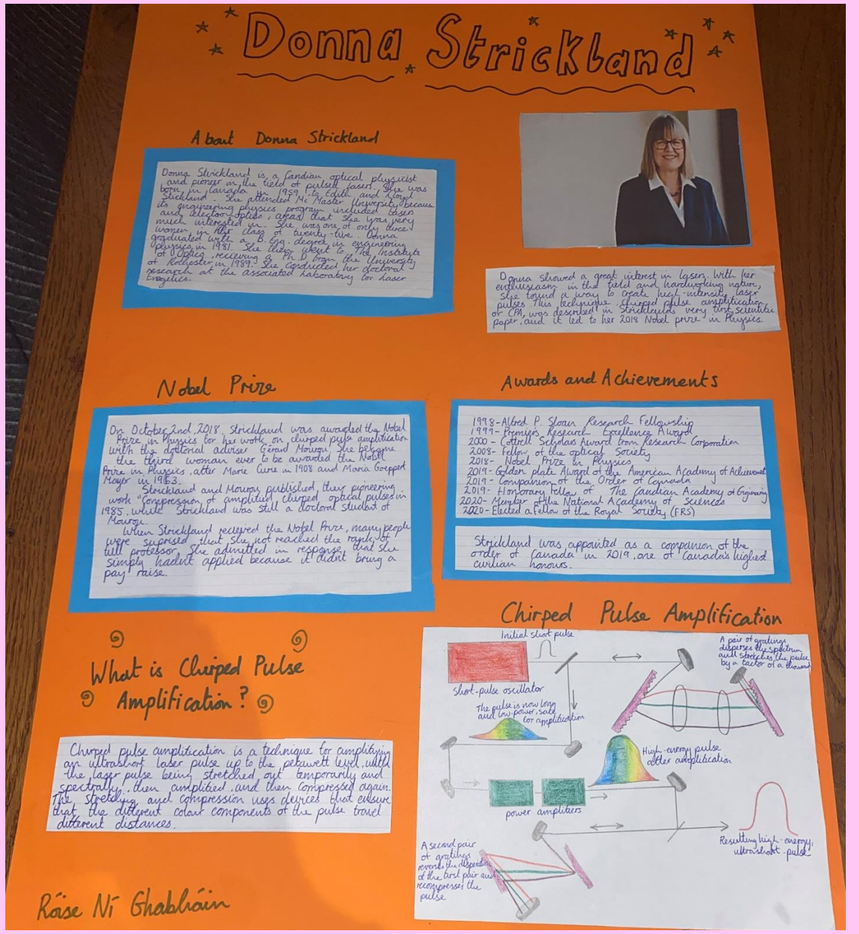
1st place	Ciara O'Shea, Mary Keane & Jessica Pokiri	Castleisland Community College, Kerry
2nd place	Amy Brosnan, Aoife Poff, Heidi Cuffe & Elaine McMahon	Presentation Secondary School, Milltown
3rd place	Carla Evans, Cianna Foley, Cara O'Brien & Sophie O'Connor	Presentation Secondary School, Milltown
4th place	Kieran Bloss Brennan & Killian Rooney	Edmund Rice College, Carrigaline

SOPHIA PHYSICS POSTER COMPETITION

Transition Year

Individual Winners

Donna Strickland



4th

Individual Winner

Róise

Coláiste Naomh Feichín

Sophie Germain

3rd
Individual Winner

Elizabeth
Castle Island CC

Nature Did It First: Biomimicry & Physics

2nd

Individual Winner

Hannah

Borrisokane CC

Animals & Electricity

1st

Individual Winner

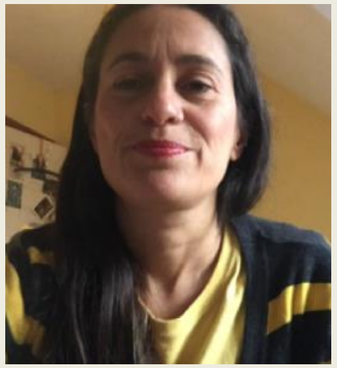
Hannah

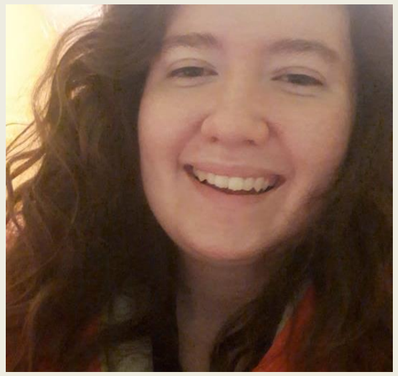
Coláiste Muire, Ennis

JUNIOR CERT - Individual Winners

1st place	Hannah Clune	Coláiste Muire, Ennis
2nd place	Hannah Deasy	Borrisokane Community College
3rd place	Elizabeth Morschell	Castle Island Community College, Kerry
4th place	Róise Ní Ghabháin	Coláiste Naomh Feichín, Cornamona


DIVING!
Drag!
FORCES!
Marie Curie
The Rainbow
HOW DO AEROPLANES FLY?
THRUST
DRAG
THE PHYSICS of a CAR
Marie Curie
THE PHYSICS OF HURLING
How Physics work on Planes
THE PHYSICS BEHIND RUGBY
Marie Curie
The Physics of Cricket
Aerodynamics, Acceleration & Momentum
MAGNETISM IN THE WORLD AROUND US
How a wing works
Black Holes
Newton's physics
Edith Stoney
Sheila Tinney
THE PHYSICS OF A SMARTPHONE
The flick-flack spider
How the cartwheeling spider can help us on mars
Fact file
Why we chose this project
Wheels






Robert Lynch

SOPHIA TEAM MEMBERS (2021)

Gráinne Walshe
Vincent Casey
Nancy Serrano
Yvonne Kavanagh
Robert Lynch
Maria Quinn
Elora McFall
Agata Lynch
Merrilyn Goos
Zohreh Eshghinmanesh
Kelly Fitzgerald
Stephen Comiskey

SOPHia for Science!

Science Foundation Ireland sfi For what's next

UNIVERSITY OF LIMERICK OLLSCOIL LUIMNIGH

IOP Institute of Physics Ireland

TAIT HOUSE COMMUNITY ENTERPRISE

INSTITUTE of TECHNOLOGY CARLOW
Institiúid Teicneolaíochta Cheatharlach

-END-