### 3D Geometry: Football to Virus Coats
Through the construction of Archimedean solids, students will explore a wide range of mathematical concepts from Junior Cert through to Leaving Cert Maths. Each modular construction will reveal the mathematical basis for 3D shapes in our world. This is an example of project maths at its best allowing students to access course material through the visual.

### Áirithe – Connecting you to your Place, Community & World
Giving students a sense of place encouraging a heightened awareness of their community and immediate environment. This showcase aims to reconnect young adults to what is local in a global community. The first of its kind, Áirithe focuses on active learning and engagement and uses examples of local places and relevant examples in teaching larger global concepts.

### Bealaí diffriúla chun suim Na ndaltaí a cheineadh sa Ghaeilge(Ways to keep our students interested in Irish)
Bealaí díogúsá an Ghaeilge a mhúineadh trí úsáid a bhaint as an teicneolaíocht sa rang i mbealach cruthaitheachta agus nuálaíochta.

### Bendigo Gold – A Grow Book for Your Classroom
Set in Australia, Bendigo Gold is a grow book designed to give children an opportunity to consider questions about special needs, the meaning of wealth, justice, land ownership, emigration, superstitions and religion. The story highlights the importance of understanding these topics can transfer into the classroom making life better for pupils and teachers.

### Bullying, Emotional Health & Wellbeing
The skills developed by teachers with this Anti Bullying Resource Pack will allow them to work effectively to deal with the issues raised by bullying in all its forms. It will also encourage teachers to be aware of the need to take care of student’s emotional needs and consider the importance of nurturing emotional intelligence in their pupils to ensure healthy well-being.

The Learning Revolution facilitates cross collaboration between teachers on a weekly basis. Aiming to show the benefits of mindfulness for learning, joy, play, autonomy, entrepreneurial thinking and projects including “In your Shoes”, a workshop of learning for parents. Our aim is to engage people with the process of learning and not just the outcome.

### Choices – Mental Health and Personal Development in TY
This resource, together with the personal development module we have developed encourages students in TY to explore and learn ways in which they can take control of and maintain positive mental health. This course aims to reduce the stigma surrounding mental health and give students the confidence to openly engage in their own personal journey towards mental wellness.

### CoderWomen.org
Inspired by the enthusiasm of women who have decided to return to education, coderwomen.org was set up to help them take the next step on to further education and employment in the digital world. The online community allows participants to share their resources and support each other as they learn to code. The women who learn to code are then encouraged to take their skills back into their communities and support community organisations.

### Coláiste Coding
Coláiste Coding is a lunch time coding club which allows students with a passion for ICT to demonstrate and exhibit their work in this area, and make new friends and connections in school. It presents students with the opportunity to step out of their comfort zone and immerse their selves in the world of coding. The importance of learning a programming language and being digitally literate is also showcased.

### Going Deeper – Connecting school science with new frontiers
Communication, collaboration, critical thinking and creativity are key skills for learners of any age, whether they are students and teachers in a classroom or researchers in a lab. With this in mind, teachers from secondary schools across Ireland have worked together with researchers at the frontiers of Irish science to co-design innovative lesson plans encompassing key elements of the new Junior Cycle Science Specification.

### Growth Mind-Set
Growth mind-set is an approach to learning based on the belief that intelligence and ability can be developed through hard work and perseverance. The project is a live research study aimed at developing innovative approaches for nurturing a growth mind-set in the primary classroom. Pupils learn how to learn, to appreciate the value of mistakes and failure in enhancing learning, to embrace challenge without fear and to persist in the face of obstacles.

### Haeres on the March
As part of their young social innovator class TY students in Waterford developed a youth led project that promoted involvement in the arts, created a fun way of promoting activity for children, supported seriously ill children and developed community partnerships and entrepreneurial and event management skills.

### Henry’s Piano
Henry’s Piano is a beautifully designed and visually stimulating primary level resource aimed at capturing pupils’ imagination and encouraging hands on learning in science and mathematics. The resource makes the teaching of science rewarding and enjoyable, leading to a much more positive attitude towards mathematics and science.

### Holocaust Education
An interactive presentation, this showcase will enable participants to develop greater understanding and insight into the Holocaust, with practical exercises to amplify the sense of empathy.

### Inclusive Schools - Combating Homophobic and Transphobic Bullying
Highlighting the resources that can be used by teachers to educate against identity-based bullying of any kind, but specifically homophobic and transphobic bullying. Both teachers and members of the public will learn the importance of recognising and valuing different family structures in all classes and see the positive effects that creating an inclusive classroom can have on the development of children’s levels of empathy, respect and mental wellbeing.

### LET’s Stand
LET’S Stand is an Oral Language Public Speaking Programme for children aged 5-15. Presenting 10 projects a year from their first year in Primary School, each child is supported to plan, prepare and practice their oral language, communication and presentation skills in a structured, safe, supportive environment.

### Maths Behind Bars
Teachers in the City of Dublin Education Training Board Prison Education Service have developed a community of practice consisting of teachers working within the service collaborating with outside agencies (Maths Week, Maths Eyes, Engineers Ireland, Maths Mentors, Holocaust Education Trust) to develop a wide range of initiatives to enhance the teaching and learning experience of maths among our students.

### maths4real
Teaching life-skills, resilience and problem-solving, maths4real is a program that’s runs over six weeks and offers students opportunities to increasing problem solving, a safe space in which to ‘try something’, group-work, real discussion and discovery learning.
Teaching and Learning in a meaningful way.

Cumas programme for the gifted and talented has continued to revolutionise learning environment Edmodo, to share knowledge and skills. Teaching and learning methodologies using ICT. They have established a virtual school placement. It endeavours to ensure there are collaborative relationships at the heart of the mentoring process. This ongoing project is aligned to the guidelines for induction of teachers from the Droichead program.

Moontour

Moontour is a new way of teaching and engaging students in the Irish language. Using experiential learning and peer learning, students engage with Irish through specially designed activities, in a way that reinforces positive association with the language.

Developing school partnerships through mentoring and team teaching

Developing school partnerships evolved from the work of the Froebel Department and schools engaged in facilitating B.Ed and Masters In Education students on school placement. It endeavours to ensure there are collaborative relationships at the heart of the mentoring process. This ongoing project is aligned to the guidelines for induction of teachers from the Droichead program.

Donal Schools ICT Collaboration

Teachers from three primary schools have come together to showcase their teaching and learning methodologies using ICT. They have established a virtual learning environment Edmodo, to share knowledge and skills.

Droichead

Droichead embraces all that is good about teaching and learning in our schools. It is an innovative model of induction, marking a new direction in Irish education where schools are trusted to self-regulate the standards in the profession. Droichead enables and empowers teachers to improve the quality of teaching and learning for the students in their classrooms.

Edison Entrepreneurial Education

A team of three teachers in Glanmire Community College launched the Edison Entrepreneurial project in March 2016. The aim of this European-led / ETBI Edison programme, was to raise awareness among teachers of providing opportunities for students to develop a general set of essential competencies of teamwork, risk taking, convincing, creativity and adaptability.

Enhancing Teaching and Learning with ICT

This showcase will demonstrate how the introduction of student personal devices into the context of an AFL school with instructional leadership strategies and a Cumas programme for the gifted and talented has continued to revolutionise Teaching and Learning in a meaningful way.

Mediatheque – A library for the future

Introducing primary students to the foundations of architecture. Developing their learning in a highly practical way and raising their awareness of the built environment as they designed a new future focused library for Cork city.

Mindfulness, CBT & NLP: An Integrated approach to SPHE

An integrated approach to looking after children’s well-being and developing their confidence and self-esteem in the primary school. This approach will involve the marrying of three disciplines; Mindfulness, Neuro-Linguistic Programming and Cognitive Behavioural Therapy and will demonstrate how these three disciplines can be used alongside the current SPHE programme to enhance and achieve the SPHE curriculum objectives.

Creative Engagement

Administered by NAPD, this programme is a second level arts in education programme which reflects the wonderful range of arts, innovation and accomplishments of teachers through the work of their students. The Creative Engagement programme will sample some of the school’s 90 arts projects in areas such as ceramics, film, print, sculpture, poetry and film.

Continuous Assessment and AFL: Student Centred Language Learning Modules

A self-corrective method of learning grammar, students are encouraged to structure their own grammar learning from AFL feedback in continuous assessment tests throughout the term. The aim is to address the areas for improvement and allow students the opportunity to correct these in their next assessment.

Planning for Effective Homework

This showcase will inform teachers and members of the public of best homework practice. They will gain an understanding of what constitutes quality homework and how teacher monitoring and involvement in homework is key to its success. If homework follows class-work and is designed so students can succeed, the requirement for parents to help is reduced.

DCT: Developing Critical Thinking

Trialled in 15 primary schools in 2015, DCT is a framework of 6 modules to help teachers teach critical thinking, the general term given to a wide range of skills needed to effectively identify, analyse and evaluate issues in order to make logical decisions.

Nurturing the Wellbeing of our Children

Our already innovative work on Nurture and Sensory Rooms have been extended with the inclusion of wellbeing activities, combining best practice both at home and abroad. It is hugely beneficial for all of our children with special educational needs, children with social, emotional and behavioural difficulties, and also to all of our children in general. The management of these needs for our children is a prerequisite to learning. It enables our children to be ready to learn in the school setting, thereby facilitating an atmosphere conducive to enabling effective teaching and learning to take place.

Cyclone Rep Theatre Shakespeare Sessions

Theatre in Education company Cyclone Rep Theatre presents Shakespeare Sessions, a Shakespearean based plays with bullying prevention sessions. All Sessions include a review of relevant topics and themes along with discussions.

Oíge Nua Education – Supporting Early School Leavers

Oíge Nua Education is a Not for Profit early school leavers Junior Certificate Programme for out of school students and at risk youth in disadvantaged communities. Students are aged between 11 and 15 and receive access to education in a creative and supportive atmosphere.

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RDS STEM Project

The RDS STEM Learning Programme is an innovative and interactive professional development programme aimed at developing primary school teachers’ pedagogical and conceptual knowledge of science and mathematics.

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Reach for the Sun

Reach for the Sun is an exercise programme for children based on Yoga. Focused on good posture which is important for breathing, digestion, sleep and general health. The showcase presents pictures of animals and postures helping children discover the creation of posture through their body and imagination. Teachers and members of the public will learn of the relaxing effect exercise has on the body and mind.

Playworks

Playworks is a semi-structured way to organise play time in the school yard which shows how relationships within the school can be positively impacted. Older children act as junior coaches to organise and manage short / snappy and fun games at yard time. Teachers practise chants, claps and warm ups/ cool downs to promote positivity on the yard. The whole school learned how to use Rock / Paper / Scissors to solve play based conflict. Playworks really makes yard time a happier and active time for all.

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Pal - Recognising Informal Peer Learning and Sharing

Designed to promote and strengthen peer to peer learning amongst teachers and management, PAL is an Erasmus+ project that’s seeks to develop and support opportunities and methodologies that enhance and reward the process of sharing and peer learning amongst staff. PAL helps teachers to record, reflect on and transfer learning from these peer learning experiences and have them acknowledged, recognized and rewarded internally.

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EXE

EXE is an online community of educational researchers. It can help teachers, student teachers and researchers in Higher Education Institutions find others with similar research interests, form collaborations to complete research projects, and make their findings available to your professional colleagues.
## Enhancing Well-Being
Highlighting the many practical ways in which Positive Psychology, which is the relatively new science of well-being, can support and enhance well-being throughout the primary school community. It will provide opportunities for participants to engage with some of the evidence and research around Positive Psychology such as boosting positive emotions, enhancing positive relationships, using character strengths and developing emotion-focused coping skills.

## S.A.R.S (Sensory Archaeological Remote Sensing)
Involving the use of archaeological remote sensing to investigate features in the landscape, this project demonstrates how pupils learn about their local landscape through the use of KITE CAMERAS and REMOTE SENSING. The project incorporates History, Geography, Maths, Art, IT and Archaeology.

## SciFest
SciFest is a national STEM initiative. SciFest’s mission is to provide an inclusive and accessible platform for students to present the results of their scientific investigations and learn about careers in STEM.

## Sláinte agus Folláine: A Whole School Approach
With an emphasis on developing healthy, nurturing relationships in the classroom, this school has developed a Pointí Gradam system that underpins their whole school approach. The aim is to ensure that positive interactions, both inside and outside the classroom, are habitual practice.

## The Physics Buskers
Physics Busking is a national initiative to promote the awareness and engagement of the Irish public with science, technology, engineering and mathematics (STEM). The busking performances involve interactive experiments and demonstrations selected for maximum engagement, excitement and education.

## Toastmasters Youth Leadership Program
Exploring the use of Toastmasters International Youth Leadership and Speechcraft programs in developing Communications, Public Speaking and Leadership skills for second and third level students especially TY groups.

## Mental Health & Personal Development
In this course, TY students are encouraged to explore and learn ways in which they can take control of and maintain positive mental health. It also aims to reduce the stigma surrounding mental health and give students the confidence to openly engage in their own personal journey towards mental wellness.

## Wonderlands iBook Project
Showcasing a selection of student created iBooks, created as part of a school wide cross-curricular project. Students carried out research and then created original content that included text, audio, video and still images. Demonstrating how a school that has recently adopted 1:1 iPad technology has been innovative in trying a new approach to teaching and learning.

## Youth Media Team
The Youth Media Team will capture the day’s activity in real-time by blogging, tweeting and interviewing attendees. Last year they conducted many interesting interviews with the Minister, the speakers and attendees. Look out for the red t-shirts!

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The list of showcases is subject to change.