

List of Science Foundation Ireland Discover Programme Awards:

A total of 42 projects were approved for funding to a total amount of €2.8m. (* denotes projects with two year funding)

Maths Related Projects					
Organisation	Project Title	Website	Project Summary	Target Region	Science Foundation Ireland Contribution
Dublin City University	The Problem-Solving Initiative (PSI)		The Problem-Solving Initiative (PSI) will promote STEM career pathways by promoting the key problem solving skills needed for the fields of Technology, Science, Maths, Linguistics and Language. The program aims to expand the reach of the All-Ireland Linguistics Olympiad (AILO), which challenges secondary school students to use problem-solving strategies to unlock the grammar of little-known languages, and to foster a generation of students who have excellent logical thinking. Students will develop analytical skills that are not only vital for computing and linguistic careers, but are transferable skills that are critical for a range of STEM careers. PSI will provide puzzles to the general public for the first time via a sustained social media campaign to directly increase the general public's understanding of problem-solving. Dublin will host the family-friendly International Linguistics Olympiad (IOL) for the first time, to promote and engage the public for a fun problem-solving day.	National (Areas of low STEM intervention in particular)	€220,000*
University College Dublin	Maths Sparks: Problem Solving Workshops	www.ucd.ie/sparc/MathsSparks	Maths Sparks is a series of six problem-solving Mathematics workshops which attempt to address the issues associated with mathematical education and learning, while also providing STEM undergraduates with an innovative approach to develop their skills as STEM communicators and presenters. The workshops will be delivered to pupils from schools in designated lower socioeconomic areas who are less likely to study higher level mathematics, and will be designed and presented by undergraduate STEM students under the guidance of academics in the school of mathematical science, UCD.	Dublin, Wicklow	€12,656
Lifetime Lab	"Exploristica" Adventures in Statistics	www.lifetimelab.ie	Exploristica - Adventures in Statistics is a new mobile interactive exhibition designed to teach the fundamentals and practice of Statistics and Probability intended for students of upper primary and secondary school (11 to 17 years). Describing five important phases of the statistical process - Select, Collect, Describe, Estimate and Interpret - Exploristica is organised in several modules that present the main statistical concepts in the form of games and other interactive experiences. The programme will focus on areas of data, location and dispersion measures (mean, median, standard deviation), graphs (box and whiskers, bar plots, histograms), random and non-random sampling, relative frequency and probability.	National	€25,000

Kildare Education Centre	The Algebra Project in Ireland	www.eckildare.ie	The Algebra Project in Ireland is aligned with a number of national priorities; improving numeracy and mathematical attainment, developing STEM subjects and the promotion of activity amongst young people. In addition, it aims to break down the negative cultural concept of mathematics in Ireland. The project aims to support those teachers as they work to incorporate the mathematical <i>Flagway Game</i> and <i>the Road Colouring Problem</i> into their school curricula. Mathematics Literary Workers (MLWs) will be trained in a pilot programme in DCU. These young people will create change in their community by helping children learn mathematics in a unique way.	National	€30,000
Technology Related Projects					
Organisation	Project Title	Website	Project Summary	Target Region	Science Foundation Ireland Contribution
Insight - National University of Ireland Galway	Apps4Gaps	www.apps4gaps.ie	Apps4Gaps is an All-Ireland competition aimed at encouraging young people to provide ideas and create applications that will demonstrate innovative and fresh ways of exploiting open data freely available from the Irish National Open Data Portal. The competition is open to teams of two to three people from school, colleges, the public and the private sector. Competed projects can be submitted as a concept entry or working app. There are three prizes in each category. The project is managed by the Insight Centre for Data Analytics in conjunction with the Central Statistics Office.	National	€3,500
Insight - Dublin City University	Girls Hack Ireland	www.insight-centre.org/node/134518	Girls Hack Ireland program aims to encourage girls and women into computer science through creative and interactive learning. Girls will learn coding skills, 'hack' websites, while using sensors and Arduino boards. The project will bring the fun of computer science to those who have less access to computing initiatives, with the growth of the program in three new locations – Roscommon, Longford and Wexford. With support from their partners Coding Grace, the expanded initiative plans to cater for both parents and children in a number of regional fun 'Family Hackathon' events right across the country.	National and Regional (Roscommon, Longford and Wexford)	€43,300
Lifetime Lab	VEX IQ Junior Robotics Programme	www.lifetimelab.ie	With the growing need to enhance STEM subjects in traditional classroom settings through non formal engagement opportunities, there is a demand for integrated learning systems that allow teachers and industry mentors/volunteers to meaningfully engage with STEM, especially in the early and most influential years of a child's development. The VEX IQ Junior Robotics Programme incorporates VEX IQ robotics with practical learning from industry mentors visiting schools, and includes teacher Continued Professional Development sessions. The project also offers suitable content for participation at STEM public engagement events. The project will be administered and managed by the STEM centre of Lifetime Lab.	Cork, Kerry and Clare	€50,000

Maynooth University	Letters of 1916: Community Engagement	http://letters1916.maynoothuniversity.ie	Letters of 1916: Community Engagement is bringing digital literacy skills to atypical audiences, including retirees and secondary school students at four locations around the country. The interest in historical sources, particularly related to Easter 1916, has provided the motivation for non-technical audiences to deeply engage with Web 2.0 technologies. The programme will engage with a wider public and join the wide-ranging national initiative to mark the centenary of the 1916 Easter Rising. The series of events and activities for 2016 will target some of the lowest STEM engagement areas in the country in conjunction with public libraries, schools and community centres.	Sligo, Kerry and Donegal	€11,900
Broadcast, Film, Print Projects					
Organisation	Project Title	Website	Project Summary	Target Region	Science Foundation Ireland Contribution
Tile Films	A Rough Guide to The Future		TV3's STEM based series 'A Rough Guide to the Future' will promote science education by broadcasting an exciting six part travel series exploring a broad spectrum of scientific disciplines in spectacular settings. Viewers will be taken on a journey to all parts of the world with locations such as Yellowstone Park and the radioactive wastelands of Pripjat, Ukraine to see what these locations may tell us about the future. Led by Jonathan McCrea, 'A Rough Guide to the Future' will bring to life STEM in a fresh new way by matching exceptional locations, with investigative television. At the heart of the series are questions that ask, what will our future look and feel like, and how is science driving this.	National	€150,000
Screentime Shinawil	Peak Performance		Peak Performance is a riveting six part educational TV series, profiling Ireland's great sporting heroes to unlock the secrets of their success through the prism of Science, Technology, Engineering and Maths (STEM). For the first time ever, all official sports governing bodies have teamed up to deliver the definitive story of Irish sport and how high performing athletes achieve their peak performance through the application of STEM in sport. The series aims to entice the audience via their favourite sport to increase the general public's perception of STEM in society.	National	€30,000
Galway Film Resource Centre	Science on Screen - Galway	www.galwayfilmcentre.ie	The Science on Screen – Galway project aims to increase the level of scientific content in independent filmmaking in Ireland, thereby increasing the general public's engagement with STEM. The project will promote STEM education and career pathways by facilitating collaboration between filmmakers and scientists, and promote current research being carried out in Ireland among the filmmaking community. The project will result in a series of workshops and the production of four 15-minute short films for exhibition, followed by an open competition to produce two science themed full-length	Connaught	€100,000

			documentaries/films. This activity will be supported by a series of public workshops addressing the challenges and opportunities associated with Irish science on screen. All films produced will aim to engage the public and raise awareness of STEM and its role in society. Each stage of the project will be evaluated in terms of its impact and level of engagement with filmmakers, scientists and the public.		
University College Dublin	The Scientist's Apprentice – Irish Independent Book Series November 2016		The Scientist's Apprentice is a series of children's books showcasing the importance of STEM in today's society. The book will be distributed nationally through the Irish Independent newspaper and Tesco's supermarket chain. The series will feature topics such as energy and environment; space and physics; food, health and agriculture; and computer science. The Scientist's Apprentice series will engage young children and their families intellectually, socially and emotionally through dynamic visuals, intriguing stories and creative expressions of knowledge and information that relates to STEM literary and STEM career pathways.	National	€143,204
General Public Events or Visitor Centres					
Organisation	Project Title	Website	Project Summary	Target Region	Science Foundation Ireland Contribution
Lewis Glucksman Gallery	Gut Instinct: Art, Food and Feeling	www.glucksman.org	Gut Instinct: Art, Food and Feeling is an exhibition of contemporary art curated by Fiona Kearney, Director of the Lewis Glucksman Gallery, and Prof. John Cyran of UCC. The exhibition will explore ground-breaking research on the interaction between the brain, gut and food through the medium of artworks and displays. The exhibition stimulates curiosity and invites the general public to consider how our guts and the bacteria within our diets might influence our physical and mental wellbeing. Visitors will also learn the science behind that gut-wrenching or butterfly feeling we all know so well. The ideas and experience of Gut Instinct will be extended into an imaginative season of STEAM (science, technology, engineering, arts, and maths) events including creative kids clubs, lunchtime lectures, schools programmes, family activities, hands-on workshops, art/science dialogues and a public symposium.	Cork	€15,000
Maynooth University	Dublin Maker 2016	www.dublinmaker.ie	Dublin Maker 2016 is designed to increase the general public's engagement with STEM and to illustrate its relevance in society. Dublin Maker takes the form of a "show and tell" experience where STEM inventors/makers have an opportunity to showcase their creations at individual booths in a carnival atmosphere. It's a showcase of invention, creativity and resourcefulness, and a celebration of the maker movement. It's a place where people show what they are making, and share what they are learning.	National	€50,000

St Patrick's Festival	SFI Discover Zone at The Festival Big Day Out	www.stpatricksfestival.ie/events/event/big_day_out	The SFI Discover Science Zone at The Festival Big Day Out is an Science Foundation Ireland participate 'Science Zone' presented at the St. Patrick's Festival event on Sunday 20th March 2016 as part of Ireland's national holiday celebrations. The SFI Discover Science zone will feature an extensive programme of activities that will appeal to children from 3 - 15 years of age. Workshops, discovery shows, quirky displays will be packed into the bustling participate zone. The SFI Discover Science Zone will become a hands-on exploratory centre with on-street performances and theatrics. The scope and diversity of the programme will feature science, technology, engineering and maths activities, with an aim to encourage participants to investigate, explore, design, helping to develop skills and generate interest in STEM, while gaining an appreciation of the importance and impact of science in our daily lives.	National	€33,367
Galway Atlantaquaria	Engaging the public and students with Ireland's Renewable Ocean Energy	www.nationalaquarium.ie	Engaging the public and students with Ireland's Renewable Ocean Energy aims to engage members of the public and students with renewable ocean energies. The goals of the project include evaluation of attitudes of the general public, to develop best practices' in methods for engagement, and increase awareness and knowledge. This will be facilitated through the use of interactive evaluation kiosks; a permanent interactive bicycle powered wave tank; buoy generator and energy devices situated in the tank; and a range of visual, audio visual and information signage. Engagement with students between the ages of 12 – 18 years will be achieved through an ocean energy workshop. The project is also supported by NUIG, GMIT, Galway Science and Technology Festival and Engineers Week Ireland.	Connaught	€24,000
Trinity College Dublin	Bright Club	www.brightclub.org	Described as 'where funny meets brains,' Bright Club is a variety night where researchers become stand-up comedians to give audiences a night filled with science infused comedy about their research. Its primary goal is to increase public engagement with STEM research taking place right at our doorstep. The use of humour helps audiences engage with difficult topics, resulting in fresh and exciting engagement, disguised as an entertainment night.	Dublin	€10,500
Dublin City University	Physics Busking	www.physicsbusking.ie	Physics Busking is a leading national STEM education initiative that supports science teachers and researchers to increase the general public's engagement in STEM. Physics Busking collaborates with leading national festivals and event organisers to bring science demos and activities to the shopping streets, gardens, and fields of Ireland. In addition to this, the project will provide a series of science communication workshops, and has strengthened the annual calendar of Physics Busking events in 2016. Through these efforts, not only will the number of Physics Buskers increase, but those previously engaged will be able to advance their communication skills.	National	€31,642
The Festival of Curiosity	The Curiosity Studio	www.festivalofcuriosity.ie	The Curiosity Studio brought to you by the Festival of Curiosity, aims to create open and accessible best practices for the design of public	Dublin	€50,000

			engagement activities in Ireland. It aims to showcase Irish scientific excellence both nationally and internationally, with the hopes of placing Ireland as a world leader in the design and delivery of multi-disciplinary public engagement projects in science and the arts on a global scale. World leaders from a range of creative practices (e.g. animation, dance, theatre, design process, and multimedia) are invited to work collaboratively with local artists and scientists on high quality projects that will be showcased at the Festival of Curiosity in Dublin each summer.		
The Festival of Curiosity	The Festival of Curiosity 2016 and 2017	www.festivalofcuriosity.ie	The Festival of Curiosity is one of Europe's most exciting and innovative international festivals of science, arts and technology. As the festival embarks on its next business plan, the aim is to directly engage with over 130,000 creating a truly international festival with the calibre of programming to make long-lasting impact on people in Ireland and in the field of science engagement.	National and Regional (Dublin)	€200,000*
Irish Photonic Integration Centre (IPIC) & Tyndall National Institute	The Dissection of Instrumentation-Interactions between Art and Science	www.ipic.ie	The Dissection of Instrumentation is a unique and innovative approach to engaging the general public with STEM and its role in our society, through the medium of art and sculpture. The power of art to connect with audiences of all backgrounds and opinions is hugely influential and allows interaction with groups beyond those typically exposed to STEM. The general public is an enormous potential audience which typically poses challenges for STEM engagement, however by utilizing the connective and emotive aspects of art, the importance and relevance of STEM can be accessible. A travelling exhibition, this project will consist of science-influenced art installations, complemented by seminar talks delivered by the artist and supported by researchers in the Tyndall National Institute. This project, delivered by the artist Angela Gilmour, will consist of a series of installations which involve the deconstruction of scientific equipment, reducing them to their basic components, and transforming them into three-dimensional dissections. The dismantled components will be displayed in transparent colour-coded resin sheets, allowing audiences to easily recognize commonalities across the various instruments, and even amongst their devices familiar to their own lives. This exhibition is designed to allow the audience to explore their relationship with STEM in a fresh and original way, removing many of the barriers typically associated with public engagement.	Munster	€37,650

Informal STEM Learning for Schools					
Organisation	Project Title	Website	Project Summary	Target Region	Science Foundation Ireland Contribution
Brigit's Garden	Nature's Power 2: Energy and Environment Education for STEM	www.brigitsgarden.ie	Nature's Power 2: Energy and Environment Education for STEM aims to promote and support STEM education by developing educational programmes from the pilot stage to a portfolio of self-financing programmes for 3rd - 6th class primary students and Transition Year (TY) students. The programmes will consist of innovative activities that give students hands-on experience with STEM-related topics in energy and climate change. Nature's Power 2 will create a unique centre of STEM-related energy and environmental education at Brigit's Garden that can be used as a template for other centres.	Connaught	€24,000
National Concert Hall	Music and Science: Quadratics to Quavers		Why does a violin have its distinctive shape and how does this affect the sound it makes? Quadratics to Quavers offers a novel way to support the teaching and learning of physics, music and maths for primary-level and transition-year students. Traditionally, these disciplines have been treated as individual subjects, but this project will highlight the overlap between music, maths and physics to improve abilities in these subjects while encouraging positive perceptions. The project aims to increase the number of students who take up maths and physics subjects in school. Quadratics to Quavers will be managed by a diverse team who have experience in performance, science and music education, and public outreach from the School of Physics and Education, Trinity College Dublin and the National Concert Hall's Education, Community and Outreach department.	Dublin	€23,300
Royal Dublin Society	RDS Primary Science Fair Regionalisation	www.rds.ie/primarysciencefair	The RDS Primary Science Fair is a non-competitive exhibition forum that currently takes place alongside the annual Young Scientist and Technology Exhibition in the RDS in January. It involves the participation of 3000 primary school students and their teachers, with a focus on the development of core science and mathematical skills. The fair encourages teachers to undertake STEM investigations with their class during the school year by asking them to pose a question that the class will seek to investigate, developing children's literary, oral language and numeracy skills. The Fair is underpinned by the RDS STEM Learning programme which seeks to improve science and maths teaching in the primary classroom through a programme of professional development for primary school teachers. The RDS STEM Learning programme has delivered significant measurable impact in the areas of teacher confidence and ability, and student engagement.	Munster	€50,000

CRANN Institute, Trinity College	Science LIVE! – virtual tours of Irish science centres	www.sciencelive.ie	Science LIVE! will deliver interactive online, guided tours of science centres in Ireland to primary school classes. The aim of the project is to give primary children direct access to Ireland’s leading research facilities and scientists, inspiring them to think positively about science careers and the importance of STEM in society.	National	€29,056
University of Limerick	Step into Science: Engaging Students, Teachers and Parents in Debates		Step into Science: Engaging Students, Teachers and Parents in Debates aims to engage communities of teachers, students and parents in socially relevant (or socio-scientific) STEM debates such as alternative energy sources and genetically modified foods. The key objectives of the project are to facilitate science teachers’ professional development in teaching of socio-economic debates; and to engage students and parents in socio-scientific debates. The focus on socio-scientific issues is intended to provide a motivating context grounded in STEM issues with social significance.	Laois, Monaghan, Kildare and Wexford	€15,000
Science Gallery Dublin	“Going Deeper” at Science Gallery Dublin	www.dublin.sciencegallery.com	“Going Deeper” at Science Gallery Dublin is a programme focused on giving Irish citizens the opportunity to deeply engage with STEM research and researchers through interlinked formal and informal education activities. The project will include the promotion and support of STEM education in Ireland and STEM career pathways through and innovative teacher Continuous Professional Development (CPD) programme, with the direct involvement of STEM researchers in the programme supporting the next generation of passionate and inspiring mentors. The project aims to increase the general public’s STEM engagement and highlight its importance in society through a targeted learning programme linked to the Science Gallery’s exhibitions with a strong online component. A new series of workshops, informative talks and seminars will see an eclectic range of researchers, artists, educators, and innovators collaborate.	National	€50,000
APC Microbiome Institute	The Microbiome and Me	www.apc.ucc.ie	The Microbiome & Me is an interactive and informative hands-on exhibit consisting of touchscreen systems, displaying a graphic and interactive representation of the human body. The main aims of the project are to engage people of all ages on the crucial role of our microbial passengers in our day to day lives. Users can explore how their manipulation of the microbiome directly results in changes to human health, including factors such a stress, diet, use of antibiotics, other medicines and the benefits of probiotics. Users will also have the ability to choose the diet of the on screen host (for example high fat, high sugar, high fibre etc.) which will simulate the expected changes imposed on the microbiota and the resulting positive or negative health effects for the individual.	National	€43,500
Royal Society of Chemistry	Expansion of Spectroscopy in a Suitcase(SIAS) and CPD in Ireland	www.rsc.org	Expansion of Spectroscopy in a Suitcase (SIAS) and CPD in Ireland is an activity that gives school students the chance to learn about spectroscopy through hands-on activities. The project will widen its reach to host new institutions in areas that are currently without coverage such as Galway, Limerick and Sligo to encourage more school	Regional	€50,000

			students to see value in studying chemistry and other STEM subjects. In addition to this, the project will further enhance teachers' subject knowledge, helping to inspire their students with science by providing Continues Professional Development (CPD) courses. Expansion of the SIAS programme and teacher CPD will help support both teachers and students in STEM subjects in Ireland. Through these activities, the project aims to encourage more students in Ireland to study STEM subjects, particularly chemistry, at a higher level and to inspire them to pursue a career in STEM.		
CIT Blackrock Castle Observatory)	Driving STEM Learning and Awareness using Space as the Theme	www.bco.ie	Driving STEM learning and awareness using Space as the theme, employs the inspirational theme of Space to drive a number of targeted initiatives in support of a STEM-engaged society, working closely with Science Foundation Ireland -ESERO. The project aims to inspire primary school children to develop an interest and awareness of STEM through inquiry-based activities that encourage independent thinking. The project also recognises that parents/guardians are role models and have included initiatives which support both family-friendly activities to help parents engage, and which promote STEM careers using STEM professionals with the inspirational setting of Blackrock Castle Observatory.	National	€200,000*
Learning Hub Limerick	Science Hub at Learning Hub Limerick	www.learninghub.ie/science-at-the-hub	The Science Hub project was conceived as a solution-focused response to the high levels of educational disadvantage experienced by children and young people in North Limerick City. The project aims to increase engagement and participation in STEM among children, young people and the general public. In 2015 the project expanded its service to Limerick city and County as well as several areas in the surrounding counties of Galway and Clare. The project is now focused on expanding its reach to County Clare, which has one of the lowest levels of STEM intervention in the country. The project offers workshops to classes and teachers from primary school to enhance STEM teaching and learning. Resources are then made available to teachers for use in their own classrooms, along with a series of afterschool workshops designed to supplement the Primary Science Curriculum. The programme also runs Science Magic Shows and Sci-Fi movie nights which are open to the public. All programmes are run with the support of third level student volunteers, which are accessed through partnerships with local third level institutions (University of Limerick and Limerick Institute of Technology).	South West Region	€15,000

STEM Careers Awareness					
Organisation	Project Title	Website	Project Summary	Target Region	Science Foundation Ireland Contribution
British Council Ireland	Famelab Ireland 2016	www.britishcouncil.ie/famelab	FameLab Ireland is a nationwide science communication competition to discover the best new voices in Irish science, and to equip them with the skills and confidence required to effectively engage and inspire audiences about STEM. The project challenges young scientists (aged 18 – 35) to explain a scientific topic to the public in three minutes. Presentations are judged on clarity, content and charisma. Famelab also provides science communication and presentation skills training for all regional heat participants, and a world class science communication weekend master class for the top 10 – 12 young Irish scientists. The project is a unique initiative which not only entertains and engages the public on STEM, but nurtures an extensive network of young Irish scientists to inspire, educate and engage.	National	€35,850
Gallomanor Communications	I'm a Scientist/Engineer, Get me out of here!	www.imascientist.ie	I'm a Scientist and I'm an Engineer, Get me out of here are two free online events where school students meet and interact with scientists and engineer. The researchers participate in an X Factor-style competition, where the students are the judges and lead the project. Students challenge the scientists and engineers over fast-paced online live chat. They have the ability to ask researchers whatever they want, and subsequently vote for their favourite to win a prize of €500 to fund further outreach. The project challenges stereotypes, where students can relate science lessons to real life, and become more enthused about science. Scientists and engineers develop their communication skills, gain a fresh perspective on their work, and find out what young people think about their job and their role in society.	Regional	€34,000
I Wish STEM	I Wish (Inspiring Women in Stem)	www.iwish.ie	Greater student engagement is needed to increase the number of students taking STEM related courses and to provide talented workers for the future. Having a role model can be hugely empowering, encouraging them to explore opportunities they might otherwise miss. 'I Wish' promotes STEM career options by introducing female students to a wide variety of (local and international) employers and female role models already forging a career path in STEM. 'I Wish' aims to inspire and encourage the participation of young women in STEM to 3rd and transition year female students in the Cork and Kerry region, while breaking down stereotypes.	Regional (Cork and Kerry)	€25,000
Junior Achievement Ireland	Futurewize		Futurewize will enable professional volunteers from the STEM industries to promote STEM education and STEM careers in a unique and sustainable way. The project will reach over 6,000 students within the junior cycle. As specialists in recruitment, training and support of business volunteers working with students, Junior Achievement	National	€80,000

			Ireland (JAI) will maximise the voluntary efforts of over 250 professionals currently working in STEM-related careers to underline the value of studying STEM subjects, and to serve as role models in promoting the range of exciting STEM-related careers. Students will complete five in-classroom modules facilitated by 180 trained volunteers from JAI's current roster of 160 supporting organisations. In addition, the 'Smart Futures Career Talk' will be promoted as a volunteering option among our 160 supporting organisations and 3,000 volunteers. JAI will incorporate Futurewise and Smart Futures in our engagement with guidance counsellors, principals and teachers in our ca. 150 second level partner schools. In conjunction with school leaders, JAI can offer to coordinate information sessions for families to complement the in-classroom work and promote the aims of the programme to an even wider audience.		
University College Dublin	Thesis in 3	www.thesisin3.com	Thesis in 3 is a national annual event where postgraduate students from any research institution in Ireland present their research in a series of concise, rapidly paced talks consisting of 3 slides, in 3 minutes. Open to the public, this event showcases current world-class research happening in Ireland via bite-sized chunks including preliminary heats and a showcase national final. The project will continue its expansion and will actively target more institutes of technology across Ireland and encourage students from these centres to take part in the preliminary heats. The heats will be held in cities around Ireland including Dublin, Cork, Galway and Limerick ensuring that Thesis in 3 is a truly national event, reaching new and diverse audiences. In addition there will be an online, virtual heat that will be open to any STEM researcher in Ireland who cannot access a preliminary heat, ensuring that researchers from all over the country can enter the competition. The project will also provide science communication training workshops all over Ireland.	National	€15,850
Regional or National Programmes					
Organisation	Project Title	Website	Project Summary	Target Region	Science Foundation Ireland Contribution
STEPS, Engineers Ireland	Engineers Ireland STEPS programme – 2016 & 2017: Engineering Futures	www.steps.ie	This year the STEPS programme will ramp up its coordinated campaign to promote STEM careers, support STEM education and drive awareness of STEM careers among the general public. Working under the Smart Futures programme, STEPS will support Science Foundation Ireland's twin aims of aligning industry outreach resources, and driving the uptake of STEM subjects at second and third level. The STEPS programme will achieve its stated aims through enabling direct engagement between trained engineering volunteers at schools and career events across the country, with the target of making a volunteer	National	€420,000*

			available to interact with every school that makes such a request by the end of 2016.		
CALMAST, Waterford Institute of Technology	Maths Week Ireland	www.mathsweek.ie/2015	Maths Week Ireland promotes awareness of the importance and usefulness of maths among the public, supporting maths education and careers in maths. The vision of Maths Week Ireland is to develop a positive attitude towards mathematics. Activities take place nationwide in October, with the hopes of engaging the disengaged.	National	€120,000*
Cork Electronic Industries Association	Steering Youth to STEM (SYSTEM)	www.systemcoalition.org	Steering Youth to STEM (SYSTEM) led by the Cork Electronics Industry Association, aims to encourage young people to get excited by the potential career paths available to them both here and abroad through the pursuits of a STEM education. The programme aims to encourage students to pursue STEM related career options, particularly technical/engineering activities. The programme will include maths tutorials, a transition year work experience programme, introduction to electronics for 2nd level teachers, robot competitions and Arduino programming workshops.	Munster	€48,557
Irish Universities Association	Campus Engage Participate Programme - Building STEM capacity in Community-based Learning	www.campusengage.ie	Campus Engage Participate Programme - Building STEM Capacity in Community-Based Learning aims to develop the capacity of higher educational staff and civil society organisations (CSOs) to incorporate community based learning (CBL) processes, methods and curricula along with CSOs work plans. Community-based learning and research are forms of experiential education with a public engagement underpinning. Therefore, students gain academic credit for the learning they derive from the engagement, and reflect on the experience with community stakeholders. Staff or tutors provide support by guiding students through structured reflective activities, encouraging the integration of theory with public engagement.	National	€33,998
SciFest Ltd	SciFest	www.scifest.ie	SciFest is a STEM initiative with significant impact designed to promote STEM in schools and amongst the wider public. SciFest's mission is to provide an inclusive and accessible platform, for students in Irish schools to explore the STEM disciplines in an investigative way and to present their findings to a wider audience, thus supporting the development of key skills including critical thinking, problem-solving, communications and collaboration. It aims to encourage a love of STEM through active, collaborative inquiry -based learning, and be highly accessible to its target audience. The SciFest programme consists of a series of one-day science fairs which provide a forum for students to present and display their scientific investigations and compete for prizes and awards.	National	€200,000*
Waterford Institute of Technology	CALMAST STEM Outreach Hub for Southeast of Ireland	www.calmast.ie	The CALMAST STEM Outreach Hub for Southeast of Ireland project is a resource at Waterford Institute of Technology set up to leverage greater partnerships and funding to implement a new stage of STEM delivery across the Southeast region. The project proposes new activities and will build a framework to allow greater and sustained engagement with target audiences.	Regional (Southeast)	€50,000

