



For immediate release - National

How can minibeasts walk up walls?

This is just one of the 120 class projects that will be on the display at the 2014 RDS Primary Science Fair, which takes place alongside the BT Young Scientist & Technology Exhibition this January.

Primary school students representing 120 schools from across the island of Ireland will display their class projects at the RDS Primary Science Fair from January 9-11, 2014. The RDS Primary Science Fair takes place alongside the BT Young Scientist & Technology Exhibition and encourages primary school teachers to focus on developing students' scientific skills by investigating a question or problem.

The Fair is not a competition, the emphasis of participation is on the development of children's core scientific skills as set out in the primary science curriculum i.e. 'working scientifically' and 'designing and making'. Through working together to question, observe, record and then make sense of what they find, students develop core life skills which provide them with a strong foundation for their future path in life.

The Fair also aims to support teachers to develop their confidence and skills in teaching STEM subjects (Science, Technology, Engineering and Mathematics) using an inquiry-based approach. Feedback from teachers who have been involved in the Fair indicates that, through the process of their scientific investigation, students can also develop their literacy, oral language and numeracy skills.

The 120 participating schools represent 23 counties from Ireland north and south, and come from as far afield as Cavan, Antrim, Limerick and Wexford. Over 2800 4th, 5th and 6th class students will display their class projects in a specially designated RDS Primary Science Fair Zone of the Exhibition. This year over 1/3 of exhibiting schools are new entrants to the Fair, and over 2/3 come from outside of Dublin.

Students work as a class under the supervision of their teacher on a project which should seek to pose and answer a question. Questions under investigation at the 2014 Fair will include:

- How can minibeasts walk up walls?
- How do heavy objects like aeroplanes and helicopters stay up in the air?
- Can we drop an egg from a height and not let it break?

For further information on the RDS Primary Science Fair, please visit www.rds.ie/primarysciencefair. Below is a list of all 120 participating schools.

The RDS Primary Science Fair is part of the RDS Foundation Science and Technology programme which aims to encourage the development of science and mathematical skills in primary school aged children by fostering education innovation.

For further information, please contact:

Tori McCormack
RDS Marketing Executive
+353 1 240 7269, tori@rds.ie

Eve Lalor
RDS Foundation Administrator
+353 1 2407263, eve@rds.ie, www.rds.ie/science



RDS Primary Science Fair 2014 Full list of Participating Schools by County



Participating Schools from Connaught

County Galway	Coldwood NS, Craughwell	What factors affect whether birds are attracted to a garden feeder?	Thursday
County Galway	Scoil Bhríge agus Bhreandáin Naofa, Corrandulla	Starry Starry Nights: what is really going on up there and what's all this about gravity?	Thursday
County Mayo	Crimlin NS, Crimlin, Castlebar	What are the environmental factors which effect plant growth?	Thursday
County Mayo	Holy Family NS, Newport	What factors affect water quality?	Thursday
County Mayo	Killasser NS, Killasser, Swinford	How much water is stored in a cubic metre of bog?	Saturday
County Mayo	Kinaffe NS, Kinaffe, Swinford	What makes a good parachute?	Thursday
County Mayo	Knockrooskey NS, Knockrooskey, Westport	Is it easier to learn from an ipad or from a text book?	Thursday
County Mayo	St Attracta's NS, Charlestown	Céad Míle Fáilte: How can we best enhance our schoolyard ecosystem?	Thursday
County Mayo	St Joseph's NS, Meelick, Swinford	Can a battery be made from ordinary household liquids?	Thursday

Participating Schools from Munster

County Clare	Scoil Náisiúnta Eoin Baiste, Ballyvaughan	How pure is the Burren water?	Saturday
County Cork	Coachford NS, Coachford	What are allergies and how do they affect us?	Thursday
County Cork	Darrara NS, Clonakilty	What causes skin cancer, how can we recognise it and how can we prevent it?	Saturday
County Cork	Killavullen NS, Mallow	Can we improve the less dominant side of our bodies?	Friday
County Cork	Kilmeen NS, Clonakilty	Are childhood games and science connected?	Thursday
County Cork	Knockaclarig NS, Rockchapel, Mallow	What has my personalised digital map creation got to do with Maths?	Thursday
County Cork	Middleton Educate Together NS, Middleton	Does temperature affect the viscosity of a liquid?	Thursday
County Cork	Scoil Bhríde, Middleton	The lung and the short of it. How do the lungs work?	Friday
County Cork	Scoil Mhuire, Ballincollig	Can we beat the heat in our classroom?	Thursday
County Kerry	Moyderwell Mercy Primary School, Tralee	How clean is the water in our local area?	Friday
County Limerick	Askeaton Senior School, Askeaton	How long does it take for a text message to get from one phone to another?	Thursday
County Limerick	Athea NS, Athea	The Clean House Effect: do household cleaning products contaminate food?	Friday
County Limerick	Learning Hub Limerick, Thomondgate	Which soft drink has the most damaging effect on teeth?	Thursday
County Limerick	Lisnagry NS, Lisnagry	How does air affect the way we play sports?	Thursday

County Limerick	St Patricks Girls' NS, Limerick	What influences a person when purchasing a product, colour, product promise, name, cost or "star" quality?	Thursday
County Tipperary	Gaelscoil Aonach Urmhumhan, Nenagh	Ciotach nó deasach - Cé acu na smaointeoírí is tapúla? Left-handed or right-handed - Who are the quicker thinkers?	Friday
County Tipperary	Scoil Eoin Naofa, Roscrea	How does soil affect the growth of plants?	Thursday
County Tipperary	Scoil na Maighne, Moyne, Thurles	Which of 3 model wind turbines is most effective at producing electricity?	Friday
County Tipperary	St Thomas the Apostle NS, Rosegreen, Cashel	Chocolate: is it a junk food or a healthy option?	Friday

Participating Schools from Ulster

County Antrim	Antrim Primary School, Antrim	How can we make our school energy smart?	Thursday
County Cavan	St Anne's NS, Bailieborough	What makes a strong bridge?	Saturday
County Cavan	St Clare's NS, Ard Mhuire, Cavan	Will a coat stop a snowman from melting?	Friday
County Donegal	Robertson NS, Ballintra	How does the use of the land around our local river impact on its water quality?	Friday
County Donegal	Scoil Eoin Baiste, Umlagh, Letterkenny	Can we measure differences in the quality of the water we drink from various sources?	Friday
County Fermanagh	St Patrick's Primary School, Derrygonnelly	How can we, as a school, help support our local bird population?	Friday

Participating Schools from Leinster

County Carlow	Grange NS, Tullow	Does hair colour have any effect on body temperature?	Friday
County Carlow	Holy Family Boys' NS, Askea	Can you square a circle?	Thursday
County Dublin	Balbriggan Educate Together NS, Balbriggan	Does water purity affect plant growth?	Saturday
County Dublin	Balscadden NS, Balbriggan	By how much can we increase the distance we throw a stick by designing and making and atlatl?	Friday
County Dublin	Castle Park School, Dalkey	How can we keep bread fresh?	Saturday
County Dublin	Childrens House Thornhill Primary Montessori, Stillorgan	Which way is up?	Saturday
County Dublin	Holmpatrick NS, Skerries	What would happen if the moon disappeared?	Friday
County Dublin	International School Dublin, Blackrock	Forces and Motion - are they related?	Saturday
County Dublin	Saint Mary's Boys' NS, Booterstown	Can we create and use eco-friendly energy with daily household items?	Saturday
County Dublin	Scoil Chrónáin, Ráth Cúil	Conas a tharlaíonn imoibrithe, Tubaistí Nádúrtha agus Imoibriú Ceimiceach? How do reactions especially chemical reactions and natural disasters occur?	Saturday
County Dublin	Scoil San Treasa, Mount Merrion	Does the type of footwear affect your running speed?	Saturday
County Dublin	St Andrew's NS, Lucan	Eye eye. How do we see?	Friday
County Dublin	St Mary's NS, Garristown	Does the colour of light affect plant growth?	Friday

Dublin 1	St. Laurence O'Tooles CBS, Seville Place	How will the new Rosie Hackett Bridge support its load?	Saturday
Dublin 2	Catherine McAuley NS, Lower Baggot St	Can learning to juggle improve the ability of children with dyslexia to learn?	Friday
Dublin 3	Belgrove Senior Boys' School, Clontarf	Can a substance be a solid, a liquid or both?	Saturday
Dublin 4	Scoil Mhuire, Sandymount	What is the importance of the humble bee?	Friday
Dublin 4	Star of the Sea Boys' NS, Sandymount	How can we heighten our senses to help us in Sports?	Saturday
Dublin 5	Scoil Eoin, Kilbarrack	Does the environment affect the growth of crystals?	Friday
Dublin 5	St David's, Artane	How fit are you?	Saturday
Dublin 6	Alexandra College Junior School, Milltown	How do heavy objects like aeroplanes and helicopters stay up in the air?	Saturday
Dublin 6	Kildare Place School, Rathmines	Do the positive effects of renewable energy outweigh the negative effects on the environment?	Saturday
Dublin 6	Ranelagh Multi-Denominational School, Ranelagh	How strong am I?	Saturday
Dublin 6W	St Clare's Primary School, Harolds Cross	What effect will different brands of coke have on different objects?	Saturday
Dublin 6W	St Pius X Girls' NS, Terenure	What are the properties of seaweed, how does it absorb moisture and act as a fertiliser?	Saturday
Dublin 6W	Terenure College Junior School, Terenure	Can you make money by making new plants?	Saturday
Dublin 7	Gaelscoil Bharra, Cabrach	An bhfuil "Micro chips" blasta?	Friday
Dublin 7	Stanhope Street Primary School, Manor Street	Do we need electricity to make machines work?	Friday
Dublin 8	Scoil Mhuire Gan Smál, Inchicore	Do the senses work in isolation?	Saturday
Dublin 13	St Fintan's NS, Sutton	What makes the grass grow?	Saturday
Dublin 14	Mount Anville Montessori Junior School, Mount Anvile Road	Why do we dream?	Friday
Dublin 14	Notre Dame Junior School, Churchtown	How can minibeasts walk up walls?	Friday
Dublin 15	Scoil an Chroí Ró Naofa Íosa, Huntstown	Eating Electricity: how powerful are the fruits and vegetables we eat?	Saturday
Dublin 15	St Mochta's NS, Clonsilla	Can lung capacity be increased through exercise?	Friday
Dublin 15	St Philip's Senior NS, Clonsilla	How can we create the perfect temperature in our classroom?	Saturday
Dublin 18	Kill o'the Grange NS, Deansgrange	How much sugar we are consuming and what are the consequences of this for our health?	Friday
Dublin 18	Our Lady of the Wayside NS, Kiltiernan	Does being right or left-handed correlate with a corresponding eye, ear, hand and foot dominance?	Saturday
Dublin 18	St Brigid's Boys' NS, Foxrock	What is the strongest type of bridge?	Saturday
Dublin 18	St Patrick's Girls' NS, Foxrock	Why do we need the air that we breathe?	Saturday
Dublin 22	Sacred Heart School, Clondalkin	Who is strongest: males or females?	Friday
County Kildare	Ballyadams NS, Ballyadams	Where do machines get the strength to climb a hill?	Friday
County Kildare	Killashee Multi-Denominational NS, Naas	What effect do various fertilisers and wavelengths of light have on the growth of plants?	Saturday
County Kildare	Maynooth Educate Together NS, Maynooth	Why are carnivorous plants not considered animals?	Saturday
County Kildare	Piper's Hill Community NS, Naas	Who plays a key role in our ecosystem?	Friday

County Kildare	Primrose Hill NS, Celbridge	How pure/clean is the water we drink in our area?	Thursday
County Kildare	Rathangan Boys' NS, Rathangan	Can you create a homemade MAGLEV train?	Thursday
County Kildare	Scoil an Linbh Iosa, Naas	Do earthworms have an effect on plant growth?	Friday
County Kildare	Scoil Bhríde, Monasterevin	What makes our skin so many different colours?	Saturday
County Kildare	Scoil Bhríde, Naas	Why do we slip so easily when walking on ice?	Saturday
County Kildare	St Brigid's Primary School, Kildare Town	Which "coffee-to-go" cup will keep my teachers coffee hotter for longer?	Thursday
County Kildare	St Colmcille's NS, Moone, Athy	Why do we confuse our left and right when giving directions?	Friday
County Kildare	Timolin NS, Moone, Athy	Does wearing a cheap bicycle helmet reduce serious head injury?	Friday
County Kilkenny	Gowran NS, Gowran	Can we drop an egg from a height and not let it break?	Thursday
County Kilkenny	Graignamanagh Boys' NS, Graignamanagh	Do we have a dominant side?	Thursday
County Kilkenny	Piltown NS, Piltown	What can we do to keep food fresh and last longer?	Friday
County Laois	Arles NS, Arles	Is vinegar only useful on chips?	Thursday
County Laois	Presentation Primary, Portarlinton	How does wind energy work, and is it suitable for Portarlinton and the Midlands area?	Saturday
County Laois	Scoil Mhuire Fatima, Timahoe	Turbines & Temperatures: does a high in one lead to a low in the other?	Saturday
County Laois	Tobar an Léinn, Raheen, Mountrath	Why do we yawn?	Friday
County Longford	Scoil Samhthann NS, Ballinalee	Which material is the better insulator?	Thursday
County Longford	St Patrick's NS, Muckerstaff, Coolarty	How can we make our homes energy efficient and eco-friendly?	Thursday
County Louth	Réalt na Mara School, Dundalk	Can music help you study?	Thursday
County Louth	Scoil Naomh Bríd, Ardagh, Omeath	Will we live longer if we lead better lifestyles? Does 'Better Living' equal 'Longer Living'?	Saturday
County Louth	St Patrick's NS, Harestown, Monasterboice	Does the colour of a drink trick the mind of the person drinking it and affect how the drink tastes?	Friday
County Meath	Carnaross NS, Carnaross, Kells	How can Carnaross make travel more sustainable? Are e-cars the answer?	Thursday
County Meath	Dunboyne Senior Primary School, Dunboyne	How many solar panels are required to provide energy to a house in Dunboyne?	Saturday
County Meath	Ratoath Senior NS, Ratoath	Are girls more active than boys and does this vary in winter or summer?	Saturday
County Meath	Réalt na Mara Boys' NS, Donacarney	Can fruit produce electricity?	Thursday
County Meath	St Joseph's NS, Dunderry, Navan	How do hovercrafts work?	Friday
County Meath	St Mary's NS, Ashbourne, Ashbourne	How rapid are your reactions?	Saturday
County Meath	St Paul's Primary School, Navan	How do detectives work scientifically to solve crimes?	Thursday
County Offaly	Birr Coder Dojo, Birr	Why does bread go mouldy?	Saturday
County Offaly	Coolderry Central School, Brosna, Birr	Why do the leaves of plants go yellow?	Thursday
County Offaly	Scoil Chrónáin Naofa, Dromakeenan, Roscrea	Can we get electrical energy from fruits and vegetables?	Thursday
County Offaly	St Ciaran's Mixed NS, Ballycumber	What are tickles?	Thursday

County Offaly	St Francis Boys' School, Clara	Paper towels: which is the strongest and most absorbent?	Thursday
County Westmeath	St Manchan's NS, Tubber, Moate	Why do I sink while my friend floats?	Thursday
County Westmeath	St Mary's NS, Athlone	How are magnets used in everyday life?	Friday
County Westmeath	Tubberclare NS, Glasson, Athlone	What helps us to remember better?	Friday
County Wexford	Gaelscoil Charman, An Charraig Bhán Thuaidh, Loch Garman	The 10 second rule: Is there more bacteria on food if it has been on the floor for ten seconds?	Thursday
County Wexford	Kilrane NS, Kilrane, Rosslare Harbour	Which brand of paper towel is most absorbent?	Thursday
County Wexford	Our Lady of Lourdes NS, Bunclody	Has food dudes improved our diet?	Friday
County Wicklow	Sacred Heart NS, Aughrim	What factors affect the flight of a kite?	Thursday
County Wicklow	St Gerard's Junior School, Bray	Where is the best place to keep our wormery during the winter?	Saturday
County Wicklow	St Joseph's Girls' NS, Rathnew	What is the dominant side of the body of the children in our school?	Friday
County Wicklow	Wicklow Montessori School, Ballyguile, Wicklow	Which design and materials make the best false hand?	Friday

For further information, please contact:

Tori McCormack
RDS Marketing Executive
RDS, Ballsbridge, Dublin 4
+353 1 240 7269, tori@rds.ie

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