

VENUE	ACTIVITY	PRESENTER	DAYS	TIMES	GROUPS	Max No.
WIT Atrium Waterford Institute of Technology	Robert Mallet: Irish Engineer & Scientist, A Commemorative Exhibition: The Irish engineer and scientist Robert Mallet (1810–1881) is one of Ireland's many unsung scientific heroes. His contributions to the fields of engineering, seismology, volcanology and ballistic ordnance were of global significance. As 2010 sees the bicentenary of his birth, this exhibition will highlight his leading role in solving critical scientific questions.	WIT & RDS	Fri 6th May – 23rd May	8 am – 8 pm	General Public, Schools	
WIT Auditorium Waterford Institute of Technology	Interactive presentation on earthquakes, and see Robert Mallet's work in action	Dr. Tom Blake & Grace Campbell, Dublin Institute for Advanced Studies	Fri 13th	12.00 pm	Secondary School	100
Carriganore Campus Waterford Institute of Technology	Dusk Chorus. Eric Dempsey author and broadcaster will lead this woodland bird walk .	Eric Dempsey, broadcaster and author	Sunday 15th	7.00 pm	Public	50
Ballymacarbry, Co. Waterford	Fibulous Fun With Bunny Rabbits, Pine Cones, Daisies and a Packet of Cards. The Fibonacci numbers have been intriguing people for over 800 years, in fact since around the time when the Normans first landed in Wexford and Waterford. They lie behind some key biological processes, can be seen in fields and forests (and supermarkets) every day, and have recently been applied to an entertaining mathematical effect which we will teach. Bring pine cones, pineapples and cards (but no rabbits please).	Dr. Colm Mulcahy, Spelman College, Atlanta USA	Mon 16th	9.30 am	Primary School	30
WIT Auditorium Waterford Institute of Technology	Wonderful World of Feathers. Eric Dempsey is well known from the Mooney show and for his bird books. This illustrated presentation shows how wonderfully adapted birds are for their environments	Eric Dempsey, broadcaster and author	Mon 16th	10.00 am 12.00pm	Primary School	175 175
Carriganore Campus Waterford Institute of Technology	Come and explore biodiversity in the afternoon with a guided walk led by WIT Forestry Lecturer Nick McCarthy and Horticulture Lecturer Una Mc Dermott, accompanied by broadcaster and author Eric Dempsey and experts from the National Biodiversity Data Centre.	Eric Dempsey, Una McDermott & Dr Nick McCarthy with the National Biodiversity Data Centre.	Monday 16th	3.30 pm	Public	50
JFK Arboretum, Wexford	JFK Arboretum – Guided Forest and Nature Trail. In this the International Year of Forestry, learn about our native trees with Forestry Lecturer Nick Mc Carthy.	Dr. Nick McCarthy, WIT, and JFK	Monday 16th	10.00am 11.30am	Primary (10 – 12yrs)	30 30
Clonmel	Accessible shortcuts to inaccessible lengths: how to estimate the heights and widths of things without actually getting your hands on them. How tall is that tree? How far across is that river? If we can't climb (or chop down) the tree, or cross the river, how can we estimate these measurements with just a measuring tape and a few pieces of paper? The answer is to use a little geometry, and a little imagination!	Dr. Colm Mulcahy, Spelman College, Atlanta USA	Monday 16th	12.30am	Secondary	30
Trawnamoe, Bonmahon	Discover the Geology and History of the Trawnamoe area with guide Sean O'Connor	Sean O Connor, Copper Coast Geopark	Monday 16th	7.30pm	General public	
WIT main Campus Waterford Institute of Technology	Learn how to build a birdbox and watch the birds progress, from nest building to the hatching of the chicks	Dr. Nick McCarthy, WIT	Tues 17th	9.30 am 11.15 am 12.45 pm	Primary (10 – 12yrs)	30 30 30
WIT Auditorium Waterford Institute of Technology	How will we get our energy? It is now widely accepted that our reliance on oil and gas is undesirable for security, economic and environmental reasons. Just how can we manage our energy and where will we get our energy from in the future. This demonstration lecture will address the issues that we all must face up to and examine the technologies that may provide solutions.	Dr. Nick McCarthy, WIT	Tues 17th	10 am 12.30 pm	Primary Schools	175 175
River Mahon, Kill	Investigation of river ecology with Michael Breen	Dr. Michael Breen , WIT	Tues 17th	10 am 11.30 am	Secondary school	30
Lismore Heritage Centre	A magical woodland walk. Participants will learn about how a seed develops and grows into a large tree, how there are many different layers of growth in a woodland habitat, look a different birds and insects	Lismore Heritage Centre	Tues 17th	10.30 am	Primary	30
Tankardstown, Bonmahon	Guided Walk of Tankardstown and Stage Cove and discover the geology and history of area with guide Bruce Mc Donald	Bruce Mc Donald, Copper Coast Geopark	Tues 17th	7pm	General public	
WIT main Campus Waterford Institute of Technology	Learn how to build a birdbox and watch the birds progress, from nest building to the hatching of the chicks	Dr. Nick McCarthy, WIT	Wed 18th	9.30 am, 11.15 am 12.45 pm	Primary (10 – 12yrs)	30 30 30
WIT Auditorium Waterford Institute of Technology	Science Survival – How a knowledge of science can help us survive in the wilderness.	Eoin Gill, WIT	Wed 18th	10.30 am	Primary 5-6th Class	175
People's Park Waterford	Explore the ecosystems of the People's Park Ella Ryan will guide participants and show how our ecosystems are interconnected.	Ella Ryan, Waterford City Council.	Wed 18th	11 am	Primary 4th / 5th / 6th Classes	30
WIT main Campus Waterford Institute of Technology	Natural navigation - discover the art of navigation and finding your way without instruments by using just the skies, nature and the environment	Sean O Connor, Copper Coast Geopark	Wed 18th	7.30pm	General Public families	
Fenor Bog	"May every weed be a wild flower" Visit to Fenor bog with Alan Walsh. Come along and discover the bog's unique plants and how they have benefitted people for thousands of years.	Alan Walsh , Copper Coast Geopark	Wed 18th	7pm	General Public	
Fenor Bog	Visit to Fenor bog to explore the bog wildlife with Alan Walsh	Alan Walsh , Copper Coast Geopark	Thurs 19th	10.00am	Primary School	30
WIT Main Campus Waterford Institute of Technology	Skull-duggery! This workshop is aimed at the primary school age group and its contents are adaptable from junior infants up to 6th class. The workshop aims to teach participants the difference in anatomy of carnivores, herbivores and omnivores. Participants will learn that skulls tell us countless things about animals. Pupils will discover that the shape and position of eyes, jaws and teeth are clues that help us learn more about an animal's lifestyle and habitat.	Catherine Mc Guinness, Natural History Museum	Fri 20th	10.00 am 11.15 am	Primary	30 30
Dunhill	Guided Walk of Dunhill. Discover the geology and history of the area with local guide Donal Lehane	Donal Lehane, Copper Coast Geopark	Fri 20th	7.00 pm	General public	30
WIT Auditorium Waterford Institute of Technology	The Amazing World of Plants. Professor Dolan will speak about the evolution of life and in particular plant life and explain how his work in studying the developments of plants has led to a greater understanding of how plants work. He will also outline how these discoveries are may lead to the development of plants that could grow in less fertile soils to help feed the Earth's growing population. Aimed at a general audience, this and is an excellent opportunity to hear an internationally renowned researcher in this field and gain an appreciation of how plants work and an awareness of how basic research can lead to applied developments that can benefit mankind	Professor Liam Dolan, Sherardian Professor of Botany, University of Oxford	Fri 20th	10.30am	Secondary school students	30
Carriganore Campus Waterford Institute of Technology	Irish Launch of Interreg project Communities and Mammal Conservation Mammals in a Sustainable Environment (MISE) - How you can help to conserve our wild mammals.	Dr. Catherine O Reilly and Dr. Peter Turner, WIT	Fri 20th	7.00pm	Public	
Carriganore Campus Waterford Institute of Technology	Kate Williamson of the Snowdonia Mammal Group, will talk about their work with otters and other mammals in Wales.	The Snowdonia Mammal Group	Fri 20th	7.30 pm	Public	25-30
Carriganore Campus Waterford Institute of Technology	Irish Bats. Conor Kelleher from Bat Conservation Ireland will talk about Irish bats. Followed by Bat Walk at 10 pm	Conor Kelleher from Bat Conservation Ireland	Fri 20th	8.15 pm	Public	
Carriganore Campus Waterford Institute of Technology	Poster Display of research including the Munster Squirrel Survey.		Fri 20th	9.00 pm	Public	
Portlaw Woods	Guided walk, "The Martens of Portlaw Woods" Field ecologists from WIT have used DNA analysis to identify the individual pine marten living here and to learn something of the lives of these secretive animals. Although we are unlikely to meet the animals themselves this is a chance to visit their territories and learn a little about how they live and how we track them using hair traps, field skills and remote cameras	Molecular Ecology Research group WIT	Sat 21st	10.00 am	Public, Families	25
The Cunniger, Dungarvan	Explore the biodiversity of the Cunniger and make a giant Mosaic. With Blawnin and Rayleen Clancy	Blawnin and Rayleen Clancy	Sat 21st	2.00 pm	Families	
 Wexford	BioBlitz is a scientific race against time. The aim of this fun event is to find as many species as possible within a park over a 24 hour period. In the Southeast the event will be running at Raven Wood Nature Reserve, Co Wexford. The event will commence at 17.00 hrs on 20 May and finish at 17.00 hrs on 21 May. This is a unique event where scientists, students and the general public can come together and learn how scientists and recorders use their skills to study the wildlife of an area. It will also introduce the non-specialist to the fabulous wealth of biodiversity that occurs all around us. If you are interested in finding out more about Ireland's natural heritage or would like to join one of the participating teams, please contact the National Biodiversity Data Centre for further details.					

INTERNATIONAL DAY FOR BIOLOGICAL DIVERSITY SUNDAY 22ND MAY

Annestown	Build a Giant Mozaic on Annestown using natural materials found on beach with pebbles, seaweed and shells etc with artist Sinead Driver and geologist Tina Keating.	Sinead Driver and geologist Tina Keating	Sun 22nd	12.30pm	General Public, Families	
Rainbow Hall, Kilmacthomas, then to Coumshingaun lake	A guided biodiversity walk to Coumshingaun lake, the largest and deepest corrie lake in the Comeraghs with Dr. Stephen McCormack and Dr. Eugenie Regan (National Biodiversity Data Centre)	Dr. Stephen McCormack and Dr. Eugenie Regan (National Biodiversity Data Centre)	Sun 22nd	12.00 pm	Suitable for families, reasonable fitness levels needed	
Rathgormack Hiking Centre and then to Boolas lake	A guided Biodiversity Walk to the Boolas glacial lakes	Owen O'Shaughnessy, Rathgormack Ramblers and Paul Green, Botanist and author of Flora of County Waterford	Sun 22nd	12.30 pm	Suitable for families, reasonable fitness levels needed	
Nire lakes – meeting at Nire car park	A guided walk to the Nire lakes, with local historian Michael Desmond exploring the mountains, lakes and plants of the area	Michael Desmond	Sun 22nd	2.00pm	Suitable for Families, children must be accompanied	

Prebooking required for all events with Nan O'Brien at 051 845625, nbrien@wit.ie, or Mary Ryan at 051 302482, mryan@wit.ie **More Info: www.livingearth.ie**

The Bealtaine Festival for Outdoor Science is a partnership of groups interested in Celebrating our Living Earth in the Southeast of Ireland and is coordinated by Calmast. Waterford IT through Calmast offers a wide range of science, technology, engineering and maths programmes for schools in the Southeast, attracting over 12,000 visitors to four annual festivals: Maths Week Ireland, Waterford Science Festival, Engineering Week and Bealtaine Festival of Outdoor Science. www.calmast.ie