

## Exploring Science at Lifetime Lab 2011 – Summer Course for Primary Teachers: Course Timetable

Dates of Course: Monday July – Friday July 2010 Course Times: 9.30am - 2.30pm Break Times: 11-11.15am Coffee, 1-1.30pm Lunch

	Time	Venue	Specific objective(s) of session	Format	Lecturer & Qualifications
<b>Day 1</b>	9.30am-2.30pm	Lifetime Lab	<p>Outline of course. Meet course participants. Review of the SESE <b>Science curriculum</b>.</p> <p>Develop knowledge of how to set up, carry out and record <b>science investigations</b> using practical examples and hands on activities. Develop concept of fair testing. Focus on the Skills section of the SESE Science Curriculum. (Topics from a variety of strands including the <b>Materials</b> stand)</p> <p>Develop knowledge of the possibilities for the use <b>ICT in scientific investigations and assessment</b>. Participants will explore the use of an interactive whiteboard in science teaching and the 'Photostory' computer application for recording children's work.</p>	<p>Lecture with demonstrations, hands on activities and discussion.</p> <p>ICT Workshop</p>	Una Leader B.Sc., M.Sc., H.Dip.Ed, Dip Arts (Applied Irish)
<b>Day 2</b>	9.30am-2.30pm	Lifetime Lab	<p>Develop knowledge of <b>Electricity and Magnetism</b> and provide hands on activities to explore these topics in the classroom.</p> <p>Participants will carry out a series of design and make activities on the topic of Electricity and Magnetism culminating in the construction of a model Electric Car.</p>	<p>Lecture with demonstrations &amp; hands on activities.</p> <p>Workshop</p>	Una Leader
<b>Day 3</b>	9.30am-1pm 1.30pm-2.30pm	Lifetime Lab UCC	<p>Develop knowledge and understanding of the <b>digestion</b> of food. Explore relevant activities.</p> <p>The hands on class workshop 'The Guts of Digestion' shows the journey food takes through the body right to the waste production at the end.</p> <p><b>Field trip</b> to visit the Food Science facilities in UCC.</p>	<p>Lecture &amp; video clips</p> <p>Workshop – the Guts of Digestion</p> <p>Field trip</p>	Andrea Doolan B.Sc., H.Dip. App. Sc.  Catherine Buckley BSc, PhD, H.Dip Ed
<b>Day 4</b>	9.30am-2.30pm	Lifetime Lab	<p>Enable teachers to <b>plan their delivery of the science curriculum</b> in the primary schools. Enable teachers to explore how <b>literacy and numeracy</b> skills can be developed through the teaching of science.</p> <p>Develop an understanding <b>the heart and lungs</b> and the processes of breathing and circulation using an enquiry based approach.</p>	<p>Lecture</p> <p>Lecture with demonstrations &amp; hands on activities</p>	Mary England P.T., M.A.  Catherine Buckley
<b>Day 5</b>	9.30am-2.30pm	Lifetime Lab	<p>Develop knowledge of the topics <b>Sound and Light</b>. Explore investigative and design and make activities and ICT strategies to explore these topics in the classroom.</p> <p>Develop knowledge of <b>Forces</b>. Explore some design and make activities suitable for use in the Forces Strand Unit.</p> <p>Feedback on the course and conclusion.</p>	Lecture with demonstrations & hands on activities	Una Leader