

# Exploring Science at Lifetime Lab 2015 – Summer Course for Primary Teachers: Course Timetable

Dates of Course(s): Monday 6 – Friday 10 July 2015

Course Times: 9.30am - 2.30pm

Break Times: 11-11.15am Coffee, 1-1.30pm Lunch,

	Time	Venue	Specific objective(s) of session	Format	Qualifications of facilitators
<b>Day 1</b>	9.30am-2.30pm	Lifetime Lab	Outline of course. Meet course participants. Review of the <b>SESE Science Curriculum</b> . Focus on the <b>Skills</b> section of the SESE Science Curriculum. Develop knowledge of how to set up, carry out and record <b>science investigations</b> using practical examples and hands on activities – with particular focus on the <b>Materials</b> Strand & <b>Heat</b> Strand Units. Develop concept of <b>fair testing</b> . Explore possibilities for the use of <b>ICT</b> in science investigations. Discuss <b>assessment approaches</b> in relation to science skills. Begin to develop knowledge <b>Magnetism</b> and provide hands on activities to explore these topics in the classroom.	Lecture with demonstrations, hands on activities, discussion, and use of ICT to promote learning in science.	Una Leader B.Sc., M.Sc., H.Dip.Ed, Dip Arts (Applied Irish) NQAI Level 9  Mary England N.T., M.A. NQAI Level 9
<b>Day 2</b>	9.30am-2.30pm	Lifetime Lab	Explore activities relating to the <b>Living Things</b> strand. Develop knowledge of the use of outdoor <b>trails</b> to aid learning in science. Develop knowledge and understanding of the digestion of food. <b>‘The Guts of Digestion’ workshop</b> shows the journey food takes through the body right to the waste production at the end.	Lecture, discussion & outdoor trails  Hands on Workshop	Mary England  Catherine Buckley BSc, PhD, H.Dip Ed – NQAI Level 10
<b>Day 3</b>	9.30am-2.30pm	Lifetime Lab	Continue to develop knowledge of <b>Magnetism</b> . Develop knowledge of <b>Electricity(I)</b> and provide hands on activities to explore these topics in the classroom. Develop knowledge of <b>Sound</b> , and provide hands on activities to explore these topics in the classroom. Reflect on how course learning might be used to aid school self evaluation and improve teaching and learning in science.	Lecture with demonstrations & hands on activities.  Discussion	Una Leader
<b>Day 4</b>	9.30am-2.30pm	Lifetime Lab	Enable teachers to <b>plan</b> their delivery of the science curriculum. Develop knowledge of <b>Forces</b> and explore some design and make activities suitable for use in the Forces Strand Unit. Visit to Lifetime Labs <b>MATHSWORKS</b> . Hands on maths activities that help develop problem solving skills. Explore how <b>literacy and numeracy</b> skills can be developed through the teaching of science. Reflect on how days learning might be used to aid school self evaluation and improve teaching and learning in science.	Lecture & discussion Lecture with demonstrations & hands on activities. Hands on activities Lecture & discussion  Discussion	Mary England Una Leader  Una Leader & Mary England
<b>Day 5</b>	9.30am-2.30pm	Lifetime Lab	Explore how <b>literacy and numeracy</b> skills can be developed through the teaching of science. Develop further knowledge of <b>Electricity(II)</b> . Carry out design and make activities culminating in the construction of a model <b>Electric Car</b> . Reflect on teacher and child led assessment approaches discussed during course. Feedback on course and conclusion.	Lecture & discussion Lecture with demonstrations & hands on activities. Discussion & written evaluation	Mary England  Una Leader