



**“ICT in Education”**

**#####**

**ICT courses for primary and post primary  
teachers**

**Spring Programme**

**2012**

<b>TFC agus an Ghaeilge (Mean Scoil)</b>			
<b>Duration : 12.5 huaire</b>			
<b>Course Code</b>	<b>Venue</b>	<b>Date</b>	<b>Time</b>
12TE601	The Education Centre, Tralee	Monday 23 <sup>rd</sup> & 30 <sup>th</sup> & 6 <sup>th</sup> , 20 <sup>th</sup> & 27 <sup>th</sup> February	5.30pm – 8.00pm
<b>ICT &amp; Maths - Part 1 Post Primary)</b>			
<b>Duration : 12.5 Hours</b>			
<b>Course Code</b>	<b>Venue</b>	<b>Date</b>	<b>Time</b>
12TE602	The Education Centre, Tralee	Wednesday 25 <sup>th</sup> January & 1 <sup>st</sup> February, Tuesday 7 <sup>th</sup> February & Wednesday 22 <sup>nd</sup> & 29 <sup>th</sup> February	7.00pm – 9.30pm
<b>Creating ICT Resources</b>			
<b>Duration : 5 Hours</b>			
<b>Course Code</b>	<b>Venue</b>	<b>Date</b>	<b>Time</b>
12TE603	The Education Centre	Thursday 19 <sup>th</sup> & 26 <sup>th</sup> January	5.00pm – 7.30pm
<b>Scratch Course (Primary &amp; Post Primary)</b>			
<b>Duration : 12 Hours</b>			
<b>Course Code</b>	<b>Venue</b>	<b>Date</b>	<b>Time</b>
12TE606	The Education Centre	Saturday 28 <sup>th</sup> January & 4 <sup>th</sup> February	9.30am – 3.30pm
<b>FÍS (Primary)</b>			
<b>Duration : 2.5 Hours</b>			
12TE607	The Education Centre	Tuesday 31 <sup>st</sup> January	5.00am – 7.30pm

**Starting your School's e-Learning Plan (Primary & Post Primary)****Duration : 2.5 Hours**

<b>Course Code</b>	<b>Venue</b>	<b>Date</b>	<b>Time</b>
12TE608	The Education Centre	Thursday 9 <sup>th</sup> February	5.00pm – 7.30pm

**PowerPoint - Creating Presentations & Worksheets (Primary & Post Primary)****Duration : 2.5 Hours**

<b>Course Code</b>	<b>Venue</b>	<b>Date</b>	<b>Time</b>
12TE609	The Education Centre	Thursday 23 <sup>rd</sup> February	5.00pm – 7.30pm

**Getting Started with your Laptop and Digital Projector****Duration : 7.5 Hours**

<b>Course Code</b>	<b>Venue</b>	<b>Date</b>	<b>Time</b>
12TE610	The Education Centre	Thursday 8 <sup>th</sup> , 15 <sup>th</sup> & 21 <sup>st</sup> March	5.00pm – 7.30pm



## **“ICT in Education”**

#####

### **ICT Based Courses**

### **Course Description & Content**

#####

**Spring Programme 2012**

## TFC agus an Ghaeilge (NCTE/Gaeilge)

Title	TFC agus an Ghaeilge (NCTE/Gaeilge)
Overview	<p>Cúrsaí Áitiúla ar Scileanna TFC don Seomra Ranga Gaeilge (i gcomhpháirt leis an SLSS)</p> <p>Cuirfear cúrsa 5-oíche ar 'Scileanna TFC (ICT) don Seomra Ranga Gaeilge' ar fáil ar fud na tíre. Dearadh an cúrsa i gcomhpháirt leis an SLSS agus tá sé dírithe ar mhúinteoirí Gaeilge ar mhaith leo réimse leathan scileanna TFC a fhoghlaim a chabhródh leo sa seomra ranga Gaeilge. Reáchtálfar na cúrsaí sna hIonaid Oideachais agus bronnfar teastas NCTE/SLSS ar chríochnú an chúrsa.</p>
Skill Level	Basic
Sector	Post Primary
Duration	5 huair
Target Audience	Tá an cúrsa seo, a dhear an NCTE i gcomhpháirt leis an STDL Gaeilge, á mhaoiniú ag an NCTE agus tá sé ar fáil saor in aisce do mhúinteoirí Gaeilge nó dóibh siúd a mhúineann trí mheán na Gaeilge.
Contents	<p><b><i>Tá cúig mhodúl san iomlán</i></b></p> <p>Is cúrsa cúig-thráthnóna an cúrsa <i>TFC agus an Ghaeilge</i> a dearadh le tacú le múinteoirí Gaeilge agus le múinteoirí a mhúineann trí mheán na Gaeilge an TFC a chomhtháthú sa teagasc agus san fhoghlaim. Cuirtear béim faoi leith sa chúrsa ar chur chun cinn scileanna labhartha na scoláirí, ag aithint na n-athruithe sna scrúduithe Gaeilge faoi láthair, agus cuirtear béim freisin ar bhealaí leis an nGaeilge a dhéanamh níos ábharthaí agus níos suimiúla do scoláirí. Tá an cúrsa ar siúl le bliain anuas anois agus tá an t-aiseolas ó na múinteoirí a d'fhreastail air thar a bheith dearfach.</p> <ol style="list-style-type: none"><li><b>1. Acmhainní ar líne</b><p>Is an chéad mhodúl de na cúig mhodúl sa TFC agus an Ghaeilge é seo, agus cuirtear tús eolais ar fáil maidir le haimsiú agus le húsáid na n-uirlisí éagsúla ar líne agus maidir lena n-úsáidí san oideachas. Freisin, tugtar forbheathnú den raon acmhainní atá ar fáil sa Ghaeilge agus soláthraítear na bunscileanna riachtanacha i gcomhair na huirlisí seo a úsáid i gcomhthéacs oideachais, i dteannta shábháilteacht idirlín agus comaoineacha cóipchirt.</p></li><li><b>2. Ag cruthú láithreoireacht le TFC</b><p>Díreofar ar láithreoireacht a chruthú don seomra ranga Gaeilge. San áireamh anseo, beidh bainistíocht comhad agus acmhainne chomh maith le láithreoireacht Powerpoint a fhorbairt chun go n-úsáidfear iad sa seomra ranga.</p></li></ol>

Freisin sa mhodúl cuimseofar scileanna eagarthóireachta agus conas téacs, beochan, naisc, fuaim, físeáin, srl., a ionsá i láithreoireacht.

### 3. **Ag Úsáid na Meáin Digiteach**

I Modúl 3 tugtar tús eolais ar na Meáin Dhigiteacha i bhfoirm ceamaraí digiteacha, scanóirí, teileafóin le ceamaraí agus ar conas na huirlisí seo a úsáid i gcomhthéacs oideachais.

Díreofar an modúl seo ar na sonraí seo a chur in eagar agus a ionsá i mbogearraí cosúil le Photostory, chun láithreoireacht tharraingteach agus fhaisnéiseach a thaitneoidh leis an múinteoir agus leis an dalta araon.

### 4. **Blagáil**

Tugtar tús eolais ar Bhlagáil i Modúl 4, lena dtugtar forbhreathnú ar bhlagáil san oideachas, lena n-áirítear úsáidí curaclaim agus samplaí de bhlaganna scoileanna na hÉireann. Freisin, cuirtear na scileanna riachtanacha ar fáil chun blag a chruthú (ag úsáid Bhlaganna Scoilnet), chun postáil chuig blag agus chun ábhar digiteach i bhformáidí eile (íomhánna, físeán, srl.) a chur le do bhlag.

### 5. **Podchraoladh**

Tugtar tús eolais ar Phodchraoladh i Modúl 5, lena dtugtar forbhreathnú ar phodchraoladh i gcomhthéacs oideachais, le húsáidí féideartha curaclaim agus samplaí de phodchraoladh a rinneadh i scoileanna na hÉireann. Freisin, sa mhodúl seo, soláthraítear na scileanna riachtanacha i gcomhair podchraoltaí a chruthú agus i gcomhair a bpodchraoltaí a uaslódáil ar bhlag scoile (ag úsáid Blaganna Scoilnet).

Moltar go hard na modúil seo a chomhlánú san ord thuasluaite oiread agus is féidir, mar d'fhéadfadh sé go mbeidh na scileanna agus téarmeolaíocht a cuimsíodh i modúl 1 agus 2 riachtanach le haghaidh mhodúil 3 agus 4 srl.

Má tá tuilleach eolais uait, téigh i dteagmháil le d'Ionad Oideachais áitiúil.

## ICT & Maths

Title	ICT & Maths
Overview	<p>The NCTE is running a series of workshops to support the integration of ICT into the teaching of mathematics. The workshops were developed by the Project Maths Development Team in cooperation with NCTE and are available through the education centre network. These introductory modules focus on the use of software to teach geometry, trigonometry and statistics. They will also include a short introduction to using a laptop with a data projector.</p>
Skill Level	Basic
Sector	Post Primary
Duration	12.5 hours
Pre-requisites	Participants should be comfortable with basic ICT tasks, such as opening, editing, saving and closing files.
Target Audience	These modules are aimed at Post Primary teachers of Mathematics who are interested in integrating ICT within their classroom
Contents	<p>This course consists of five modules in total:</p> <ul style="list-style-type: none"><li>•Workshop 1: GeoGebra for Synthetic Geometry- This covers the use of GeoGebra in the teaching of theorems, constructions and transformation geometry for both Junior Cert. and Leaving Cert. from Strand 2.</li><li>•Workshop 2: GeoGebra for Co-ordinate Geometry- This covers the use of GeoGebra in the teaching of co-ordinate geometry for both Junior Cert. and Leaving Cert. from Strand 2.</li><li>•Workshop 3: GeoGebra for Trigonometry plus participants sharing their resources- This covers the use of GeoGebra in the teaching of trigonometry for both Junior Cert. and Leaving Cert. from Strand 2.</li><li>•Workshops 4 &amp; 5: Excel for teaching Statistics- This covers the use of Excel in the teaching of statistics. It will deal with the production of relevant graphs and formulae for both Junior Cert. and Leaving Cert. from Strand 1. Participants who would like to attend a more introductory course in advance of the above modules should contact their local Education Centre for more information.</li></ul> <p><i>Geogebra is a free software package which can be downloaded from the Internet</i></p>

## Creating ICT Resources

Overview	<p>This course aims to develop the basic ICT skills many teachers already have and enable them to apply these skills to creating ICT resources for teaching and learning. Useful Internet sites for teaching and learning, digital cameras and creating digital stories using images and sound are among the key topics covered.</p> <p>The course focuses on:</p> <ul style="list-style-type: none"><li>• Literacy</li><li>• Numeracy</li><li>• Special Educational Needs.</li></ul> <p>The skills learnt and content covered in this course are also applicable to interactive whiteboards. Completion of this course, together with another short ICT skills course, equips teachers with the pre-requisites for other NCTE basic level courses.</p>
Title	Creating your School's Website or Blog using Scoilnet Blogs
Duration	2.5 hours
Pre-requisites	Participants should have basic computer skills and have some experience of using the Internet.
Target Audience	<p>This course is for primary school teachers with intermediate ICT skills, who wish to set up a school website or blog using the Scoilnet Blogging service. The Scoilnet Blogging service provides schools with a centrally hosted, free online environment and tools to create and host a dynamic and vibrant school website.</p> <p>As the course is based on the Scoilnet Blogging service, it is a pre-requisite for teachers attending, that their school either already has their Scoilnet Blog account, or is applying for one. To apply for your school's blog log on to <a href="http://www.ncte.ie/Broadband/Webhosting-Blogging/">www.ncte.ie/Broadband/Webhosting-Blogging/</a></p>
Contents	<p>Are you looking for an easy way to set up your school's website? Or, would you like to set up a blog for your school?</p> <p>This course provides you with the skills to do both, using NCTE's new blogging service for schools, Scoilnet Blogs.</p> <p><b>Course content:</b></p> <ul style="list-style-type: none"><li>• Why set up a school website or blog</li><li>• Creating your website or blog</li><li>• Adding and administering users Adding content, including text, images, video, blogs, podcasts and multimedia</li><li>• Using Plugins and Widgets</li></ul>

## Scratch Courses for Teachers

<b>Title</b>	<i>Scratch Course for Teachers</i>
<b>Course Description</b>	<p>Scratch is a programming language that makes it easy to create your own interactive stories, animations, games, music, and art -- and share your creations on the web.</p> <p>As young people create and share Scratch projects, they learn important mathematical and computational ideas, while also learning to think creatively, reason systematically, and work collaboratively.</p> <p>The Computer Education Society of Ireland (CESI) and Lero - the Irish Software Engineering Research Centre are engaging in an initiative to develop and roll out teacher training in the use of Scratch (a visual programming language) in the classroom, funded by the National Centre for Technology in Education (NCTE). The course is scheduled to run on two Saturdays. Each course will be lead by a teacher practitioner, who will indicate approaches used in class.</p>
<b>Duration</b>	The course is scheduled to run on two Saturdays – October 1st and 10th
<b>Target Audience</b>	The course is aimed at all primary and post primary teachers interested in using ICT to promote learning in their classroom.
<b>Pre-requisites</b>	While no programming experience is required, it is expected that all participants possess basic computer and keyboarding skills.
<b>Course Aims &amp; Objectives</b>	The aim of the course is to develop among teachers an understanding of the Scratch programming language and an appreciation of how it can be used to aid teaching and learning in the classroom.
<b>Course Content</b>	<p><b>Day 1</b> will be devoted to mastering the basic programming steps and control blocks. This will culminate with each participant creating an interactive game.</p> <p>After the first day's input, participants would have a fortnight to apply what they had learned and to complete a few programmes/games of their own.</p> <p><b>Day 2</b> will be devoted to a “show and tell session”, troubleshooting and a workshop on how Scratch could be used within each participant's school and how they might form a local support group/cluster.</p> <p><i>Some potential of Scratch is indicated at the website <a href="http://www.scratch.ie">www.scratch.ie</a></i></p>

## Starting your School's e-Learning Plan

<b>Title</b>	<b>Starting your School's e-Learning Plan</b>
<b>Duration</b>	2.5 hours
<b>Overview</b>	The new short course aims to help schools start the process of developing their e-Learning Plan. Key resources available and advice on how to use them effectively in your school are outlined.
<b>Pre-requisites</b>	None (this is not a skills-based ICT course).
<b>Target Audience</b>	Primary and post primary principals, ICT co-ordinating teachers and all other teachers interested in starting the development of their school's e-Learning plan.
<b>Course Objectives</b>	<p>Enable participants to:</p> <ul style="list-style-type: none"><li>• Understand the e-Learning planning process</li><li>• Become aware of the range of resources available to support this process, and how to use them</li><li>• Develop an action plan for the development of e-Learning in their own school</li></ul> <p>Course Content:</p> <ul style="list-style-type: none"><li>• The e-Learning Planning Cycle</li><li>• Using the e-Learning Roadmap</li><li>• Introduction to the e-Learning Action Plan</li><li>• Other NCTE resources available to assist in the development of the e-Learning Plan</li></ul> <p><b>Please note:</b> Participants should bring their school's e-Learning Handbook to this course.</p>

## PowerPoint - Creating Presentations and Worksheets

<b>Title</b>	<b>PowerPoint - Creating Presentations and Worksheets</b>
<b>Duration</b>	2.5 hours
<b>Pre-requisites</b>	Participants should have some experience of using a mouse, a keyboard and carrying out basic ICT tasks (opening, editing, saving, closing files)
<b>Target Audience</b>	This introductory module is suitable for all teachers who wish to extend their capacity to use a range of ICT applications in support of teaching and learning in the classroom environment
<b>Course Objectives</b>	<b>This module aims to enable the participant to:</b>  Create a presentation  Search for relevant images, videos and sound files on the Internet  Incorporate images, animations, sound files and hyperlinks into a presentation  Create a worksheet using ICT

## Getting Started with your Laptop and Digital Projector

Title	Getting Started with your Laptop and Digital Projector
Overview	The course focuses on the development of basic ICT skills for those with little or no experience of ICT, particularly with regard to its use in the classroom. The aim is to enable teachers to begin to use ICT in their classrooms independently and pursue other NCTE courses at the Basic level with confidence. The skills learnt and content covered in this course are also applicable to interactive whiteboards.
Skill Level	Beginners
Sector	Primary & Post Primary
Duration	7.5 hours
Pre-requisites	None - participants do not require ICT skills in advance of this course.
Target Audience	Teachers who wish to gain basic ICT skills for use in teaching and learning.
Course Objectives	<p>With a particular focus on teaching and learning, participants will be enabled to:</p> <ul style="list-style-type: none"><li>• create and edit a simple document using word processing software</li><li>• describe files and folders and set up a basic folder structure for their own laptop or computer</li><li>• find online educational resources using an internet browser</li><li>• apply good classroom practice in relation to internet safety and copyright</li><li>• set up an email account and send and receive emails</li><li>• create a simple digital presentation using presentation software</li><li>• connect a digital projector to a laptop or teaching computer</li><li>• describe some practical applications of ICT to support the development of literacy and numeracy</li><li>• describe how ICT can support students with special educational needs</li></ul>
Contents	<p>The course is divided into three modules:</p> <p>Module 1 – Creating and editing a document; using files and folders Module 2 – Internet &amp; Email Module 3 – Digital presentations</p> <p>These three modules address the course's learning objectives above in a very practical, hands-on fashion. The process of, for instance, setting up an email account is covered using a step-by-step approach with each participant at a computer.</p>

**AUTUMN ICT COURSE**  
**APPLICATION FORM 2012**

**Course Title/Code:** \_\_\_\_\_

**Course Venue:** \_\_\_\_\_

**Course Dates:** \_\_\_\_\_

**TEACHER NAME:** \_\_\_\_\_

School Details: \_\_\_\_\_

**Roll No.** \_\_\_\_\_

Home Address: \_\_\_\_\_

**Contact Phone No.:** \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

**PPS. No.** \_\_\_\_\_

**(Please ensure that you include the full Course Fee with your application form.)**

**Method of Payment :**

Cash  Postal Order

Cheque  Other

\_\_\_\_\_  
Signature

**REGISTRATION FEE FOR**  
**THE EDUCATION CENTRE,**  
**TRALEE OF €20.00 APPLIES**  
**TO THE SPRING PROGRAMME**

**REGISTRATION FEE MUST BE INCLUDED WITH APPLICATION FORM**  
**Registration Fee is Non-Refundable and covers all Spring Programme**