

# Published and planned support for Curriculum for Excellence August 2012

## Introduction:

Education Scotland provides a range of support for the on-going implementation of Curriculum for Excellence.

This document provides a list of the support materials that have been published in the past year with links to the materials on the Education Scotland website. It also includes details of further support materials and events planned for the coming year. This document will be updated quarterly, with the most up to date information available from the website.

In addition, throughout the year, further editions of the *CfE Briefing* will be published on the Education Scotland website and printed copies will be distributed to schools and centres.

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The information is organised by Curriculum area and subject, and key theme and sector specific. Support items may be listed under multiple headings.

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## Expressive Arts

### Art and design

#### Published support materials

- [Expressive with Critical - A Guide for Practitioners - National 4/5](#)  
This advice and guidance provides suggestions for approaches to learning and teaching for the new National 4 and National 5 Art and Design course. It provides a suggested way of teaching the courses and includes slightly different approaches to the traditional way of composing and presenting folios. These materials could be interpreted and adapted to fit any practitioner's preferred specialisms or interests.
- [Expressive with Critical - Objects Project: Contemporary Sculpture - National 4/5](#)  
This document aims to support practitioners in planning learning and teaching in line with Scotland's new National Qualifications. The suggestions are based on a themed study approach for Art and Design: Expressive with Critical Activity and a key focus is how critical and practical activities can be integrated to enhance learning.
- [Design Activity Advice and Guidance for practitioners- National 4/5](#)  
This document aims to support practitioners in planning learning and teaching in line with Scotland's new National Qualifications. The suggestions are based on graphic design, looking specifically at designing a poster for the Art and Design: Design Activity. There is also some general information on the discipline of graphic design, as well as suggestions on how to integrate the critical element of the course into learners' practical work.
- [Learning through sketchbooks in art and design](#)  
This resource is intended for primary and secondary teachers who want to build confidence in discussing the visual elements of the art and design curriculum with learners and colleagues. A key focus is the use of sketchbooks as a method of developing artistic confidence in the learners.

### Dance

#### Published support materials

- [Advice and Guidance to Support the Choreographic Process - National 5](#)  
This advice and guidance supports the choreographic process covering the educational relevance of Dance and considering approaches to exploring stimuli; discovering a theme; applying knowledge of dance skills and choreographic principles and engaging with theatre arts and technology.
- [Dance Technique - Contemporary and Jazz - National 5](#)  
This material has been developed to provide advice and guidance to support the teaching and development of technical skills in contemporary and jazz dance. In the National 5 Dance course these techniques will be applied to the solo performance in one chosen dance style.

## **Drama**

### **Published support materials**

- [Transform toolkit](#)  
Transform is a large-scale creative performance which can enable schools and communities to work collaboratively to produce high-impact theatre events. This toolkit has been created by National Theatre of Scotland and Education Scotland to give every school and community the chance to create their own transformative experience. Transform can be carried out by using the range of suggested tasks provided in the toolkit and/or with CPD support from National Theatre of Scotland.

## **Music**

### **Published support materials**

- [National Qualifications Music](#)  
This website has been developed by practitioners to support learning and teaching in music at National 3, 4 and 5 levels. National Qualifications Music has video and audio examples, quizzes, composing ideas and other information and support for both practitioners and learners.

## **General**

### **Published support materials**

- [Marks on the Landscape](#)  
This website has been developed as an interdisciplinary learning resource. The context for learning and teaching for this resource is Fife Earth - an ambitious land regeneration project. It demonstrates how this simple starting point can open up possibilities for creative learning and teaching across the curriculum.
- [Marks on the Landscape – Design Challenge update](#)  
Updated design challenge activities for the national design challenge competition.

### **Planned Support for New National Qualifications**

Web-based course materials for National 4 and National 5 qualifications. Available from December 2012 - April 2013.

## Health and Wellbeing

### Food and health

#### Published support materials

- [Health and Food Technology: Contemporary Food Issues - Advice for practitioners](#)  
This advice and guidance is intended for use by practitioners for the National 4/5 level. This advice also demonstrates how the approaches to teaching and learning could be adapted to suit the needs of the learners.
- [CPD support framework to develop practical food skills/knowledge within a cluster](#)  
Developing practical food skills and knowledge - for early years/primary colleagues led by secondary subject specialists.
- [Principles for a partnership approach for the food and drink industry and other related organisations working with schools](#)  
This sets out key principles to help support the development of meaningful and sustainable partnership working between schools, the food and drink industry and other related organisations.
- [Food for Thought: Exploring food and drink through Curriculum for Excellence](#)  
This poster, in the form of a mind map, illustrates the different ways we engage and learn about food. It aims to stimulate practitioners and learners to think about food across the curriculum and beyond. The supporting leaflet provides further information on the resource and how to consider using it through well planned interdisciplinary learning.

#### Planned support materials

- **Food Skills Support Resource**  
The objective is to produce a document that looks at all the food and health experiences and outcomes and breaks them down to bring out the skills within them. This aims to support practitioners with a clear idea about what those skills are and ways in which they can be taught. The target audience would be early years, primary and secondary staff (particularly home economics practitioners) as the document will be looking at progression along a line of development. This will aid practitioners to be able to see what could be achieved at different levels, and will allow for the planning of breadth and challenge. Planned for December 2012.
- **Food and Health Interactive Online Mapping**  
Intelligence gathering mapping across Scottish schools around food and health education/health and wellbeing practice to highlight successes, gaps, challenges and identify the next steps and needs for professional learning. Planned for January 2013.
- **Food for Thought Interactive Online**  
Developing Food for Thought mind map as an interactive resource. Planned for March 2013.
- **Studying Scotland Scottish Food Resources**  
Practitioners from all sectors (nursery, primary and secondary) will work with food stakeholders and Education Scotland development officers to create content for these resources. They will offer a progression of learning and skills through associated experiences and outcomes and with an interdisciplinary approach. Planned for December 2012.

### Planned events

- Home economics event  
Throughout the day we will aim to examine the key messages around the embedding of health and wellbeing across learning. There will also be support around new qualifications. We will showcase innovative, inspiring examples of emerging practice from across the country and a focus on the skills within the subject. The Focus on Food Cooking Bus will be available on the day to highlight the value of well-planned cluster working. Planned for September 2012.

## Physical Education

### Published support materials

- [Physical Education: Factors Impacting on Performance - Advice and guidance for practitioners](#)  
This advice and guidance is specifically to support the learning and teaching process for Factors Impacting on Performance, Outcome 1. The suggested approaches throughout this advice and guidance are appropriate for all aspects of Outcome 1 at National 5 and beyond. This is intended for use by practitioners and is non-mandatory.
- [Skills: National 2](#)  
This advice and guidance is designed to support practitioners working with learners at National 2 level. It provides guidance to practitioners to support the development of learning experiences which will incorporate both knowledge and the development of skills, and provides examples of how skills can be formatively assessed and progression planned for and profiled.

### Planned support materials

- Online Continued Lifelong Professional Learning (CLPL) in PE resources  
A set of online materials to support primary non specialist teachers to facilitate learning in physical education (PE). Planned for March 2013.
- Online and paper resource on innovative approaches to PE  
A series of innovative, thought provoking approaches to PE will be exemplified. Planned for March 2013.

### Planned events

- PE regional events  
Eight regional PE events across Scotland.
- Networking Day for PEPAS National Partners  
National event to provide opportunity for colleagues from the Physical Education, Physical Activity and Sport (PEPAS) Excellence Group to share innovative practice. The event aims to build capacity for partnership working between PE, physical activity and sport at local level. Planned for October 2012.
- PE Conference for Primary non specialist undergraduates  
Throughout the day we will aim to examine the key messages around pedagogy of physical education and the links to learning, both within PE and across the curriculum. We will showcase innovative, inspiring examples of emerging practice from across the country. We will raise awareness around the support of Continued Lifelong Professional Learning in PE. Planned for November 2012.

- PE Conference for Primary non specialist Newly Qualified Teachers (NQTs)  
Throughout the day, we will aim to examine the key messages around pedagogy of physical education and the links to learning, both within PE and across the curriculum. We will showcase innovative, inspiring examples of emerging practice from across the country. We will raise awareness around the support of Continued Lifelong Professional Learning in PE. Planned for November 2012.

## **Responsibility of all**

### **Planned events**

- Upper primary and secondary health and wellbeing event  
To support the development of health and wellbeing across the curriculum, with particular reference to primary/secondary transition. The cluster approach to health and wellbeing will be exemplified and shown as good practice. Key focus will be around assessment, reporting and profiling (Building the Curriculum 5). Planned for November 2012.
- Early years/first level Saturday event  
To support the development of health and wellbeing across the curriculum, with particular reference to early/primary transition. The cluster approach to health and wellbeing will be exemplified and shown as good practice. Key focus will be around assessment, reporting and profiling (Building the Curriculum 5). Planned for March 2013.

## **General**

### **Published support materials**

- [Health and wellbeing: a cluster approach](#)  
Several school clusters from across Scotland were supported in developing ways of delivering health and wellbeing experiences and outcomes which promote effective partnership models. From the outset, clusters worked on planning with a range of partners in their learning community. They were encouraged to focus on a line of development from early to fourth level, within one of the six health and wellbeing organisers. The clusters explored the progression of knowledge and skills and planning for learning, teaching and assessment.

### **Planned events**

- CPD Cooking Bus session events  
Multiple events planned to support the continued implementation of the experiences and outcomes within the health and wellbeing framework of Curriculum for Excellence. Allowing attendees to participate in a two-hour practical food and health CPD workshop on the Cooking Bus and build confidence around cooking in the classroom. Three events planned for late August 2012.
- Health and Wellbeing Network meeting  
National network meetings provide the opportunity for colleagues from local authorities and health boards to share good practice and plan future developments. Meetings planned for November 2012 and March 2013.

### **Planned Support for New National Qualifications**

- Web-based course materials for National 4 and National 5 qualifications. Available from December 2012 - April 2013.

## Languages

### Literacy and English

#### Published support materials

- [English: Persuasive Writing Skills - National 3/4/5](#)  
This advice and guidance is intended to be used as and when appropriate to support the development of persuasive writing skills throughout the course of study. The materials are divided into short exercises and suggested approaches to learning and teaching.
- [English Reading Skills: Analysis and Evaluation Unit - Advice and Guidance for Outcome 1](#)  
This advice and guidance is intended to provide some ideas to support the teaching of the Analysis and Evaluation Unit in National 4 and 5 English. In this unit, learners must read a text and show that they are able to understand, analyse and evaluate it. In doing so, they will use the thinking skills of applying, analysing and evaluating.
- [Literacy: Advice and Guidance for Practitioners - National 4](#)  
This is a suggested approach to the Literacy Unit (National 4). It is based on a thematic study of the Holocaust and is linked to a literature study as part of the English (National 4) Course. This thematic approach could be adapted for different contexts and settings.
- [Support for the development of Literacy Skills at National 4](#)  
The support materials are intended to guide those preparing learners for reading and writing skills in Literacy at National 4 (6 SCQF credit points). Although these materials have a strong relevance for the college sector, practitioners in schools will find some interesting ideas and suggestions in them to explore and develop.
- [English and Communication: Media Literacy National 2](#)  
The National 2 English and Communication course builds on the experiences and outcomes of the literacy and English curriculum area and enables learners to develop the ability to understand and use language.

#### Planned support materials

- [Digital Kist Resource](#)  
This resource contains materials from the Kist, a popular resource produced to promote Scottish literature and language in schools. The materials will be digitised and published on the Education Scotland website for easy access for all practitioners. Planned for January 2013.
- [Scottish Survey of Literacy Support Materials](#)  
The Scottish Survey of Literacy took place in May 2012. Education Scotland will produce a set of resource materials to support learning and teaching of all aspects of the survey and to target areas where pupils may require more support to improve their skills in reading, writing, listening and talking. Planned for March 2013.
- [Teaching Scotland's Future Resource](#)  
This resource will assist those wishing to become teachers to develop their own literacy and numeracy skills before entering university. Planned for June 2013.

## Planned events

- **Parent Conferences - Supporting Reading**  
Once children have mastered the basics of learning to read, many parents are concerned about how to best develop their child's skills and encourage a love of books. These conferences will support parents in helping children to successfully negotiate an information-rich world and to become readers for life. We will explore some of the perceived barriers to reading and discuss how parents can best support young readers. Planned for Edinburgh on 27 September 2012 and Inverness on 29 October 2012.
- **International Literacy Day**  
Adult Literacies and Scottish Government event on 12th of September. The Standing Literacy Commission Interim Report will be launched on this date. This document will provide details of progress with the recommendations of the Literacy Action Plan within Scottish Education. Planned for September 2012.
- **National Literacy Network Meeting**  
Bi-annual meeting of local authority representatives with responsibility for Literacy. Planned for November 2012 and March 2013.
- **Book Week Scotland**  
During Book Week Scotland, The Scottish Book Trust will be working with Education Scotland to deliver a packed programme of free projects and events, bringing Scots of all ages, and from all walks of life, together to celebrate the pleasures of books and reading. From 26 November to 2 December 2012.

## Modern Languages

### Published support materials

- Reference grammars for primary teachers of [French](#), [German](#), [Italian](#) and [Spanish](#).  
To help primary teachers brush up on the basic rules of the modern language(s) they teach in primary schools.
- [French: Mike Martin et le Grand Jeu - National 4](#)  
Mike Martin et le Grand Jeu is a set of materials which exemplify possible approaches to developing a range of listening skills for French at National 4 level.
- [French: Society, Learning, Employability and Culture - National 5](#)  
The aim of these materials is to improve learners' understanding of the contexts of society, learning, employability and culture by integrating the skills of reading, writing, listening and talking. It is intended that learners will develop knowledge of language, in particular confidence in using the present, future and conditional tenses.
- [Support for German \(Advanced Higher\)](#)  
This resource places emphasis on creating engaging learning and teaching approaches throughout, which encourage the development of the learner's ability to work independently, and carrying out research in a context requiring critical and analytical skills. These activities focus on the study of the language, literature and culture of German-speaking countries, and they encourage learners to use acquired language skills to access media in the German language.
- [Get ready for your Languages Baccalaureate Interdisciplinary Project at Advanced Higher](#)  
This resource is a text-based guide, for teachers and learners, to the Languages Baccalaureate Interdisciplinary Project.

### **Planned support materials**

- French: Passeport pour la Francophonie  
'A journey of discovery through the French Speaking World.' The website will explore five francophone countries. It offers interdisciplinary contexts for learners to develop their understanding of key areas of French vocabulary and culture while strengthening their knowledge of how languages work. Planned for September 2012.

### **Planned Support for New National Qualifications**

- Web-based course materials for National 4 and National 5 qualifications. Available from December 2012 - April 2013.

## Mathematics

### Mathematics / Lifeskills mathematics

#### Published support materials

- [Active learning across the Higher Maths course](#)  
This resource consists of student activities focusing on skills and knowledge for the topics in the Higher Mathematics across all three units. Particular emphasis is placed on creating engaging learning and teaching approaches throughout.
- [Mathematics: Numeracy - Advice and guidance for practitioners](#)  
This advice and guidance promotes and supports effective learning and teaching of numeracy to stimulate the interest of learners and promote creativity.
- [Applying Geometric Skills to Vectors - National 5](#)  
This advice and guidance suggests an approach to learning and teaching vectors within the context of National 5 Mathematics.
- [Lifeskills Mathematics - Advice and guidance for practitioners - National 4](#)  
This advice and guidance offers practitioners suggested approaches to delivering Lifeskills Mathematics at National 4. It includes approaches to learning and teaching that practitioners may wish to consider when planning contexts for learning.
- [Lifeskills Mathematics - Advice and guidance for practitioners - National 5](#)  
This advice and guidance highlights an approach to delivering Lifeskills Mathematics at National 5. It includes approaches to learning and teaching for practitioners to consider when planning contexts for learning.
- [Mathematics - Advice and guidance for practitioners National 4](#)  
This advice and guidance suggests an approach to the learning and teaching of probability, scattergraphs and line of best fit within the context of National 4 Mathematics.
- [Number and Number Processes: National 2](#)  
The advice and guidance document on personal mathematics will give practitioners support in developing relevant learning experiences for learners covering this National 2 Mathematics unit.
- [Planning transition in mathematics](#)  
Case study describing how teachers from primary and secondary sectors used professional dialogue and moderation to create a strategy to ensure that pupil information was consistent and effective across all schools in the cluster.

## Numeracy

#### Published support materials

- [Financial education - Cheers for credit unions!](#)  
Videos illustrating how to set up a school credit union, focusing on young people learning in a fun and engaging way, having volunteered to help run their own savings scheme.

- [Scottish Survey of Literacy and Numeracy resource](#)  
Based on the SSLN survey findings, Education Scotland has developed this collection of learning and teaching resources to support all those involved in the development of young people's numeracy skills. These resources aim to inform learning and teaching practice in the school environment, while offering rich materials for in-service days and other professional development activities.

#### **Planned support materials**

- Scottish Survey of Numeracy resource materials  
Additional materials for numeracy planned for October 2012.

#### **Planned events**

- Financial education CPD events  
Multiple events held across Scotland. Education Scotland has organised a series of half day workshops for early years and primary practitioners. These workshops are free for teachers to attend. The workshops will allow financial education to be discussed in the context of Curriculum for Excellence. In particular, we will be looking at the numeracy and social studies outcomes. Each workshop will consist of short presentations, analysis and use of the various learning and teaching resources, as well as discussions on how best to ensure that the outcomes and financial education are addressed in the classroom. Events planned for October and November 2012.

#### **Planned Support for New National Qualifications**

- Web-based course materials for National 4 and National 5 qualifications. Available from December 2012 - April 2013.

## Religious and Moral Education

### Published support materials

- [RME as the focus for learning and assessment](#)  
Case study demonstrating how teaching, learning and assessment of the religious and moral education (RME) topic of Sukkot was effectively planned and assessed as a central context for learning at first level within an interdisciplinary learning study for a P1/2 class.
- [Planning for Learning, Teaching and Assessment in RME](#)  
Resource to help to develop practitioners' understanding of planning for effective learning, teaching and assessment as part of the RME curricular area. It will benefit all staff involved in the process of assessment and moderation: practitioners, school/centre managers and key stakeholder groups.
- [RMPS: Skills development in the study of a world religion](#)  
Presentations intended to offer support to practitioners planning for the learning and teaching of world religions within religious, moral and philosophical studies (RMPS). This support is not designed to be used with learners in its current form, but to provide advice, guidance and exemplars for practitioners to reflect on in their own planning for learning and teaching. The approaches are transferable across the study of any religion as the focus is on the pathways to develop skills, rather than content for knowledge and understanding.
- [RMPS: Added Value Unit - National 4](#)  
As part of the National 4 Religious, Moral and Philosophical Studies (RMPS) Course, learners are expected to complete a mandatory Added Value Unit. The Added Value Unit in National 4 RMPS will be assessed through an assignment.
- [The State Visit of Pope Benedict XVI and its abiding legacy for Scotland](#)  
This extract is designed to assist teachers in raising an understanding of the significance of the Papal visit of Benedict XVI to Scotland and the UK in September 2010.

### Planned support materials

- [RERC planning for Learning Teaching and Assessment](#)  
Based on the success of the RME (Non denominational) pack, a support pack will be developed to support staff in Religious Education in Roman Catholic (RERC) schools to plan for effective learning, teaching and assessment within religious education. This pack will act as a source of information and reflective questions to help staff in their planning for religious education and will pull together all current thinking on assessment and planning. Planned for November 2012.
- [Testimony](#)  
This new resource will focus on the beliefs and values exemplified in the teachings of key figures, both historical and contemporary, from the six main world religions and within secular society. The identification of key figures whose lives have shaped our current religious diversity would be a priority to support this aspect of Curriculum for Excellence. Planned for September 2012.

### Planned Support for New National Qualifications

- [Web-based course materials for National 4 and National 5 qualifications. Available from December 2012 - April 2013.](#)

## Sciences

### Biology / Human Biology

#### Published support materials

- NQ Higher Sciences website: [Biology](#) and [Human Biology](#)  
The NQ Higher Sciences website has been developed to support the delivery of the revised Higher courses in Biology, Physics, Chemistry and Human Biology. It contains resources for both teachers and learners. The biology section has resources for each of the SQA units within Higher Biology and Higher Human Biology.
- [Health and Disease - Advice and guidance for practitioners](#)  
This advice and guidance suggests a context for learning and ideas for learning and teaching, offering opportunities to prepare learners in the mandatory course key areas for National 5 Biology Health and Disease.
- [Food Security - Advice and guidance for practitioners](#)  
This advice and guidance suggests a context for learning and ideas for learning and teaching, offering opportunities to prepare learners in the mandatory course key areas for National 5 Biology.
- [Inheritance - Advice and guidance National 5](#)  
This resource provides advice guidance and exemplification of inheritance in National 5 Biology within Unit 2 – Multicellular Organisms. The resource provides new suggestions for teaching this topic of Biology and includes a PowerPoint of mice as exemplification.
- [Bioengineering context: STEM Central](#)  
The projects in this context focus on efforts to repair, assist or augment impaired body functions through the use of brain-computer interfacing, polymeric biomaterials and prosthetics.

#### Planned support materials

- Advanced Higher Biology  
Advice and guidance to support the new revised advanced Higher Biology. Initial material planned for September 2012 with further material to follow.
- Food security: STEM Central  
Materials under development. Planned for February 2013.

### Chemistry

#### Published support materials

- NQ Higher Sciences website: [Chemistry](#)  
The NQ Higher Sciences website has been developed to support the delivery of the revised Higher courses in Biology, Physics, Chemistry and Human Biology. It contains resources for both teachers and learners. The chemistry section has support for each of the SQA units within Higher Chemistry. Resources include specially commissioned animations and video clips as well as selected links to resources on other websites.

- [Agrochemicals - Advice and guidance for practitioners National 5](#)  
This document provides advice and guidance on the topic of agrochemicals within National 5 Chemistry.
- [Nuclear Chemistry - Advice and guidance for practitioners National 5](#)  
This document provides advice and guidance on the topic of nuclear chemistry within National 5 Chemistry. The advice and guidance should be used in a reflective and selective manner.
- [A Practical Guide for Chemistry Advanced Higher](#)  
This material supports students with the practical work of Advanced Higher Chemistry and in particular the Researching Chemistry unit, which includes the investigation.
- [Open-ended Questions for Chemistry Advanced Higher](#)  
This resource introduces practitioners to the key features of open-ended questions, to advise on how they can be used for teaching and learning, and to provide guidance on assessment.
- [Organic Chemistry Advanced Higher](#)  
Support materials for the revised Advanced Higher in Chemistry.
- [Organic Synthesis Notation Advanced Higher](#)  
These materials have been developed to support the revised Advanced Higher in Chemistry.
- [Proton NMR Spectroscopy Advanced Higher](#)  
The pupil workbook and accompanying PowerPoint file introduce Proton nuclear magnetic resonance spectroscopy.

### **Planned support materials**

- **Ceramics National 4**  
Materials to support the delivery of the new Ceramics topic in the Chemistry in Society Unit at National 4 level in Chemistry. Produced in partnership with the Scottish Schools Education Research Centre (SSERC). Planned for September 2012.
- **Products from Plants National 4**  
Materials to support the delivery of Products from Plants topic in the Nature's Chemistry Unit at National 4 level in Chemistry. Produced in partnership with SSERC. Planned for September 2012.
- **Extension to Water context: STEM Central**  
Further context ideas under development. Planned for June 2013.
- **Replacement Forth Crossing context: STEM Central**  
Materials under development. Planned for June 2013.

### **Environmental Science**

#### **Published support materials**

- [Human influences on biodiversity - Advice and guidance for practitioners](#)  
This advice and guidance contains ideas that can be used or adapted to explore Environmental Science - Human influences on biodiversity at National 5.

## Physics

### Published support materials

- [NQ Higher Sciences website: Physics](#)  
The NQ Higher Sciences website has been developed to support the delivery of the revised Higher courses in Biology, Physics, Chemistry and Human Biology. It contains resources for both teachers and learners. The physics section has support for each of the SQA units within Higher Physics. Resources include specially commissioned animations and video clips as well as selected links to resources on other websites.
- [Energy security - Advice and guidance for practitioners](#)  
This advice and guidance suggests a context for learning and teaching opportunities for the Added Value Unit of National 4 Physics.
- [Skills for Physics - Advice and guidance for practitioners National 5](#)  
The purpose of this advice and guidance is to illustrate an appropriate level of challenge for skills-based work at National 5.
- [Physics - Stellar Physics, Particles from Space Advanced Higher](#)  
These notes have been written primarily to support practitioners with the introduction of the properties of stars and stellar evolution topics as specified in the Rotational Motion and Astrophysics unit of the new Advanced Higher Physics course.
- [Physics - Stellar Physics: Support Material Advanced Higher](#)  
Stellar physics is the study of stars throughout their birth, life cycle and death. It aims to understand the processes which determine a star's ultimate fate.
- [Physics - Stellar Evolution, Star Brightness Advanced Higher](#)  
This resource consists of a suggested learner activity/practitioner demonstration for stellar physics.
- [Physics - Quantum Theory, Space and Time Advanced Higher](#)  
This advice for practitioners covers more than the minimum required by the arrangements document. It is the intention to provide a background from which to present the topics in an informed way.
- [Physics - Quanta and Waves, Rotation, Motion and Astrophysics Advanced Higher](#)  
Numerical questions and answers for the Revised Advanced Higher in Physics
- [Physics - Open-ended Questions: Support Materials Revised Advanced Higher](#)  
The purpose of this handbook is to aid the introduction of open-ended questions as an instrument of assessment. The reasons for the introduction of open ended questions into the formal assessment process are given, as well as examples of the different types of question which are classed as open ended.
- [Physics - Gravity and General Relativity: Learner Notes Revised Advanced Higher](#)  
Learner notes for the Revised Advanced Higher Physics
- [Games based learning context: STEM Central](#)  
Explore and develop an understanding of circuits, components, circuit diagrams and understand the history of gaming and ultimately how to design, create and market your own game.

### Planned support materials

- [Sound based learning context: STEM Central](#)  
Further context ideas under development. Planned for October 2012.

- Rescue vehicles context: STEM Central  
Materials under development. Planned for February 2013.
- Extension to Eco housing context: STEM Central  
Further context ideas under development. Planned for June 2013.
- Extension to Electric transport context: STEM Central  
Further context ideas under development. Planned for June 2013.

## **Science National 4**

### **Published support materials**

- [Food Security](#)  
This advice and guidance is intended for use by practitioners to support the delivery of the science course Food Security.
- [Science Skills - Advice and guidance National 4](#)  
The purpose of this advice and guidance is to illustrate an appropriate level of challenge for skills-based work at National 4. This has been exemplified through science in a health-related context.

## **Science in the Environment**

### **Published support materials**

- [Sustainable Lifestyles](#)  
These materials look at practical approaches to sustainable lifestyles, focusing on science in real-life situations such as: reducing, reusing and recycling items that we have finished with and reducing the environmental impact in our local area, the wider community and our planet.

## **Planned Support for New National Qualifications**

- Web-based course materials for National 4 and National 5 qualifications. Available from December 2012 - April 2013.

## Social Studies

### Administration and IT

#### Published support materials

- [Meeting and event administration: National 4/5](#)  
The Administration and IT advice and guidance is designed to assist practitioners in the delivery of meeting and event administration elements of the new National Qualifications at National 4 and National 5 levels.
- [Emerging technologies: National 4/5](#)  
The Administration and IT advice and guidance are designed to assist practitioners in the delivery of meeting and event administration and emerging technologies elements of the new National Qualifications at National 4 and National 5 levels.

### Business and Business Management

#### Published support materials

- [Business: Exemplar Case Study - National 4](#)  
This case study is an exemplification of teaching and learning approaches for National 4 Business. Wannaburger is an example of a small business in Edinburgh and this case study can be adapted to suit a small business in the school's own local area.
- [Active and interactive resources for Higher Business Management](#)  
A set of teacher materials and learner activities that support active and interactive learning in Higher Business Management
- [Understanding Business - Advice and guidance for practitioners – National 5](#)  
A range of potential learner approaches accompanies this guidance to support practitioners in the delivery of the Understanding Business unit in National 5 Business Management.
- [Management of People and Finance](#)  
A range of suggested potential learning and teaching approaches accompany this guidance to support the delivery of the Management of People and Finance unit in National 5 Business Management. The potential learning and teaching approaches focus on existing materials available from the Education Scotland website and other web-based sources.
- [Management of Marketing and Operations](#)  
A range of suggested potential learning and teaching approaches accompany this guidance to support the delivery of the Management of Marketing and Operations unit in National 5 Business Management. The potential learning and teaching approaches focus on existing materials available from the Education Scotland website and other web-based sources.

#### Planned events

- SQA National Qualifications Business Event  
Details to be confirmed.

## Geography

### Published support materials

- [Added Value Unit: National 4](#)  
The following materials have been created to support the teaching and delivery of the National 4 Added Value element of courses in Social Studies. The focus is to provide advice for practitioners to consider and reflect on, in planning for learning and teaching, as appropriate to the context of their learners.
- [Human Environments: National 5](#)  
This advice and guidance highlights an approach to delivering the Human Environments element of National 5. It will focus on the development of exemplar material practitioners may wish to adapt when covering the topics contained within the Human Environments unit.
- [Support for Global Issues: National 4/5](#)  
These materials have been created to support practitioners in their planning of learning and teaching in delivering the National 5 Global Issues Unit. Practitioners may wish to consider which issues have been taught during learners' broad, general education and also at National 4.

## History

### Published support materials

- [Added Value Unit - the Assignment: National 4](#)  
This advice and guidance offers information on national qualifications and in particular the added value element of courses in Social Studies. The focus is to provide advice for practitioners to consider and reflect on, in planning for learning and teaching, as appropriate to the context of their learners.
- [Skills development in the study of history](#)  
This is designed to provide advice and guidance for practitioners by demonstrating potential approaches to learning and teaching. It is designed to support practitioners working with learners from National 3 to Higher level. The examples provided in this support aim to demonstrate potential approaches to developing higher-order skills through active and collaborative learning in the study of different historical periods.

## Modern Studies

### Published support materials

- [Democracy in Scotland and the UK: National 5](#)  
This advice and guidance contains some ideas that can be used or adapted to introduce the unit: Democracy in Scotland and the UK at National 5.
- [Added Value Unit - the Assignment: National 4](#)  
This advice and guidance offers information on national qualifications and in particular the added value element of courses in Social Studies at National 4.

## **People and Society**

### **Published support materials**

- [Advice and guidance for practitioners: National 3/4](#)  
This resource provides advice and guidance for potential approaches to learning and teaching People and Society. People and Society provides an exciting opportunity for learning and teaching within relevant, challenging and enjoyable contexts in a flexible way.

## **General Social Subjects resources**

### **Published materials**

- [Organising, Communicating Information and Making a Contrast: National 2](#)  
This advice and guidance is for practitioners to consider and reflect upon when planning learning and teaching for social subjects at National 2 level. The suggested approaches to learning and teaching contained within this document may allow learners to develop and exemplify their skills in organising and communicating information and contrasting information. The context for learning is based around Mary, Queen of Scots.

## **Planned Support for New National Qualifications**

- Web-based course materials for National 4 and National 5 qualifications. Available from December 2012 - April 2013.

## Technologies

### Computing Science

#### Published support materials

- [Hardware - Exemplar project and suggested learning approach - National 4](#)  
This advice and guidance provides an exemplar project and suggested learning and teaching approaches that may give learners the opportunity to carry out, research and gain understanding of computer systems and hardware technology.
- [Mobile App Development - National 4](#)  
These materials provide advice and guidance to allow practitioners to follow a structured exemplar of a problem-solving activity which could allow learners to demonstrate the practical application of skills and knowledge developed within the units Software Design and Development and Information Systems Design and Development at National 4 level.
- [Approaches to Software Design and Development - National 5](#)  
This advice and guidance provides examples of how Scratch and Small Basic could be used at National 5 level, but there are many other software development environments available and practitioners may choose their own preferred environment.
- [Starting from Scratch - National 4](#)  
Developed by the Royal Society of Edinburgh and the BCS Academy of Computing, these materials aim to enable learners to develop programming skills and deep understanding of core computing concepts, including computational thinking. This resource will seek to introduce learners to computing science via the Scratch programming environment, developed at the Massachusetts Institute of Technology (MIT).
- [Computing Science - Learning and Teaching Approaches for the Added Value Unit: National 4](#)  
These materials provide advice and guidance to allow practitioners to follow a structured exemplar of a problem-solving activity which could allow learners to demonstrate the practical application of skills and knowledge developed within the units Software Design and Development and Information Systems Design and Development at National 4 level.

### Design and manufacture

#### Published support materials

- [Advice and Guidance for Practitioners](#)  
This advice and guidance is intended for use by practitioners. It develops earlier advice and guidance on Curriculum for Excellence, both generic and specific to the technologies and Design and Manufacture with a particular focus on National 4 and 5.

## **Design and technology**

### **Published support materials**

- [Constructing and testing](#)  
These materials build on and develop earlier advice and guidance on Curriculum for Excellence, both generic and specific to Design and Technology, with a particular focus on National 3. Crucially, the materials try to meet the challenge of conveying the spirit of learning in Design and Technology, with its focus on problem-solving and real-world relevance and the world of work, within the framework of principles of Curriculum for Excellence.
- [Design and Technology \(National 3\)](#)  
Learning and Teaching approaches to support the new National 3 Design and Technology course.

## **Engineering Science**

### **Published support materials**

- [Advice and guidance for practitioners - National 4/5](#)  
These materials build on and develop earlier advice and guidance on Curriculum for Excellence, both generic and specific to the technologies and Engineering Science with a particular focus on National 4 and 5. They try to meet the challenge of conveying a vision for Engineering Science, with its focus on skills development and application, and creativity in the context of a broad and challenging exploration of engineering.

## **Practical craft skills**

### **Published support materials**

- [Active learning in practical craft skills National 3](#)  
These materials build on and develop earlier advice and guidance on Curriculum for Excellence, both generic and specific to the Technologies and Practical Craft Skills at National 3.
- [Learning and teaching approaches \(National 3\)](#)  
Learning and Teaching approaches to support the new National 3 Practical Craft Skills.

## **Practical electronics**

### **Published support materials**

- [Circuit Design - Combinational Logic - National 5](#)  
This guide provides suggestions, ideas and activities for practitioners on the delivery of combinational logic, which forms one learning outcome of the Circuit Design unit in National 5 Practical Electronics.

## **Practical metalworking**

### **Published support materials**

- [Fabrication and thermal joining techniques: MIG Welding - National 4/5](#)  
These materials build on and develop earlier advice and guidance on Curriculum for Excellence, both generic and specific to the technologies and Practical Metalworking, with a particular focus on National 4 and 5.

## **Practical woodworking**

### **Published support materials**

- [Creativity through practical woodwork - National 4/5](#)  
These materials build on and develop earlier advice and guidance on Curriculum for Excellence, both generic and specific to the technologies and Practical Woodworking, with a particular focus on National 4 and 5.

## **General Technologies**

### **Planned support materials**

- STEM Central learning contexts  
Additional learning contexts to be added for:
  - Food security
  - Games based learning
  - Sound based learning
  - Rescue vehicles
  - Replacement Forth crossing.Also additional material for the water context, Eco Housing project and Electric transport contexts.

## **Planned Support for New National Qualifications**

- Web-based course materials for National 4 and National 5 qualifications. Available from December 2012 - April 2013.

## Early Years

### Published support materials

- [Information for parents and carers](#)  
Film clips extracted from the Pre-Birth to Three DVD to make the four key principles more readily accessible for parents and carers
- [Every Day's a Learning Day](#)  
Two books produced for parents and carers of children aged between birth and 3 years, and 3 to 6 years. The aim is to help parents support their child's development in the crucial areas of health and wellbeing, literacy and numeracy. This resource highlights the many excellent learning opportunities that exist within daily experiences such as washing the dishes, preparing a meal or doing the shopping.
- [Early Years Matters](#)  
Magazine/journal for practitioners and those interested in early years education. Published and distributed in print and online. Two issues published September and March.
- [Family literacy project: Brucehill Tots Speak Scots](#)  
A sharing practice report for the Early Years website, including video footage, of an Education Scotland collaboration with Brucehill Early Education and Childcare Centre on a family literacy project using the Scots language as a context for learning. This project aimed to help parents/carers to support their child's literacy development with particular emphasis on talking and listening skills.

### Planned support materials

- [Early Years Matters](#)  
Next issue planned for autumn 2012.
- [Jordan's New Jaiket](#)  
A new story commissioned by Education Scotland to be gifted to all Primary 1 children as part of their Scottish Book Trust Bookbug Primary 1 Family Pack this autumn. The story has been written in Scots by Matthew Fitt, and also gives information for parents on why learning about Scotland is important. Planned for September 2012.
- [Resource to support the implementation of Scotland's Literacy Action Plan – Early Years](#)  
This resource takes the form of: an interactive PowerPoint, which can be used as a tool to raise awareness of the content and scope of the Literacy Action Plan in relation to the early years; a collegiate self-evaluation tool to support reflection on the establishment's progress towards implementation of the Plan; and a CPD resource to support practitioners in the implementation of the plan. Planned for November 2012.
- [Beyond the Outdoors](#)  
A sharing practice report for the Early Years website, including video footage. The case study will focus on the collaboration between Shotts Nursery Centre and Grounds for Learning. This joint project, led by Grounds for Learning, sought to engage parents and children in outdoor learning using local spaces to extend and enhance their experiences. Planned for November 2012.

## Community Learning and Development

### Published support materials

- [The ESOL Curriculum Framework](#)  
The Framework provides a useful tool for English for Speakers of Other Languages (ESOL) practitioners working in all sectors throughout Scotland.
- [Report on national discussion of strategic guidance](#)  
This report supports the Scottish Government's [Strategic Guidance for Community Planning Partnerships: Community Learning and Development](#) which was published on 11 June 2012. It clarifies the Scottish Government's expectations of Community Planning Partnerships (CPPs) and other public sector partners for the delivery of CLD services.

### Planned support materials

- Putting CLD into Curriculum for Excellence - Training Resource: Supporting Community Learning and Development in the delivery of Curriculum for Excellence  
This training resource has been developed for CLD practitioners and managers to use to explore Curriculum for Excellence with their own staff and volunteers. The activities will help participants explore the links between CLD and Curriculum for Excellence. Planned for September 2012.
- Political Literacy  
This resource aims to support CLD and schools practitioners in developing responsible citizens and effective contributors. It will provide support for introducing politics as a context for learning to support Developing Global Citizens, Scottish Studies and Social Studies. Planned for September 2012.

### Planned events

- National Training and Development Network  
The Network event provides a platform whereby those who are responsible for developing continuing professional development (CPD) within the context of CLD in Scotland can be actively involved in developing a sustainable learning culture. This links directly to the CPD Strategic vision and will contribute to the CPD framework – iDevelop - to support the CPD Strategy for the sector. The event will give participants opportunities to share practice and learning across authority boundaries around CPD/Professional Learning developments. Two events are planned: one in September 2012 and another in January 2013.

## Adult literacies

### Published support materials

- [Counting on a Greener Scotland](#)  
This pack aims to provide opportunities for learners to develop their knowledge, skills and understanding of numeracy in the particular contexts of weather, climate change and energy. It is put together with adults in mind and so uses appropriate language and graphics. However, it could be used in schools, youth clubs, community groups or in any other appropriate learning context.

- **Skint!**  
Skint! is an interactive learner-centred resource. It has been developed to be specifically used within adult literacy and numeracy support groups but can also be used by other youth work practitioners. Skint! consists of two illustrated storylines that explore issues and promote critical awareness around money management and responsibility. In addition, the stories take account of equalities and diversity in the representation of modern Scottish society and in the accessibility of the form(s) they take.

### **Planned events**

- **Counting on a Greener Scotland Road show**  
The Counting on a Greener Scotland Numeracy Pack aims to provide opportunities for learners to develop their knowledge, skills and understanding of numeracy in the particular contexts of weather, climate change and energy. This workshop will allow practitioners the opportunity to explore its uses and try out a few of the exercises from the pack. Planned for September 2012.
- **Adult Numeracy Network Meeting**  
This meeting allows adult numeracy practitioners to discuss issues of relevance to their professional development. It will focus on the range of SQA accreditation available for adult numeracy learners. The meeting will also provide an opportunity for practitioners to share ideas and resources for teaching. Planned for September 2012.
- **Adult Literacies Key Contact Meeting**  
This meeting allows key contacts for adult literacies from across Scotland to discuss issues of relevance to the development of adult literacies in Scotland. Key contacts will share information and discuss ways in which they can take forward the implementation of the Strategic Guidance for Adult Literacies in Scotland 2020. Planned for November 2012.

## Assessment

### Assessment and moderation

#### Published support materials

- [Planning learning, teaching, assessment and moderation](#)  
This resource will develop practitioners' understanding of moderation as a key feature of 'Building the Curriculum 5: A Framework for Assessment'. It will benefit all staff involved in assessment and moderation: practitioners, school/centre managers, authority personnel and partner providers.

## Profiling

#### Published support materials

- [About profiling](#)  
Information on the purpose of profiling, the structuring of profiles and the responsibilities of learners and teachers when developing them. Early insights are provided.
- [S3 profiles](#)  
Information on the purpose of profiling, the structuring of profiles and the responsibilities of learners and teachers when developing them. Early insights are provided for six S3 profiles and related case studies.

#### Planned support materials

- Further development of S3 profiles and related case studies. Planned for end of December 2012.

## Scottish Survey of Literacy and Numeracy

#### Published support materials

- [Scottish Survey of Literacy and Numeracy resource](#)  
Based on the SSLN survey findings, Education Scotland has developed this collection of learning and teaching resources to support all those involved in the development of young people's numeracy skills. These resources aim to inform learning and teaching practice in the school environment, while offering rich materials for in-service days and other professional development activities.

#### Planned support materials

- [Scottish Survey of Literacy Support Materials](#)  
The Scottish Survey of Literacy took place in May 2012. Education Scotland will produce a set of resource materials to support learning and teaching of all aspects of the survey and to target areas where pupils may require more support to improve their skills in reading, writing, listening and talking. Planned for March 2013.
- [Scottish Survey of Numeracy resource materials](#)  
Additional materials for numeracy planned for October 2012.

## General

### Planned events

- Education Authority Assessment forum  
Events to identify and share good practice in assessment and moderation with education authority assessment officers. One meeting has been held and three further meetings are planned for November 2012, March and June 2013.
- Reporting at a local level conference for education officers  
The conference is to move towards a common understanding of the assessment messages within 'Building the Curriculum 5', especially reporting progress at council level. The audience will comprise of education officers from all 32 local authorities and other stakeholders. Planned for September 2012.
- Innovation summit - A Celebration of Innovative Approaches to Quality Assurance and Moderation  
Education Scotland supported practitioners within and across local authorities to work collaboratively to establish, develop and improve effective quality assurance and moderation practices. This event will share the general outcomes of this work. Practitioners will talk about their experience and how this will inform their own future moderation practices. Planned for September 2012.
- OfQual Annual Conference  
Quality Assurance and Moderation presentation to the Office of Qualifications and Examinations Regulation (OfQual) annual conference - 'Moderation of Teacher Assessment in relation to National Standards'. Planned for November 2012.
- SCIS Annual CPD event  
Quality Assurance and Moderation presentation to Scottish Council of Independent Schools (SCIS) annual CPD event. Planned for October 2012.

## NAR

### Published support materials

- [How schools and local authorities are using NAR](#)  
Schools and local authorities explain how they have used national assessment resource (NAR) materials to develop their knowledge and practice. Includes videos in which educators explain the different ways they have used the NAR to develop their assessment practice.
- [Assessment exemplification across all levels and curriculum areas](#)  
There are 279 items currently published on NAR, which have been through a quality assurance process. Materials include exemplification of recognising achievement, reporting and profiling, quality assurance and moderation, and reporting at a local level. Further items are currently being planned.

### Planned support materials

- Reporting at a local level  
Exemplification of education authority approaches to performance reporting. Planned for September 2012.

- **Assessing Progress and Achievement**  
To provide guidance on assessing progress and achievement in each curriculum area. Specific guidance required to address concerns within Curriculum for Excellence Management Board Annual Report and develop practitioners' understanding of how to assess progress and achievement in relation to the breadth, challenge and application of learning in each curriculum area. Planned for December 2012.
- **Making the Most of NAR**  
Summary documents of exemplification and guidance on using NAR. Planned for December 2012.
- **Profiling/Caritas**  
In partnership with the Scottish Catholic Education Service (SCES), using 'This is Our Faith' Caritas Award as a platform for recognising achievement and profiling. Planned for December 2012.
- **Assessment**  
Assessment of large groups of learners. Planned for March 2013.
- **Innovative approaches to Quality Assurance and Moderation within and across authorities**  
Sharing the standard through innovative implementation of 'Building the Curriculum 5' and aiming to have an impact on improved learner achievement through developing progressive, professional practice. Planned for March and June 2013.
- **E-portfolios**  
Exemplification of education authority current practice in e-portfolios. Planned for June 2013.

## Creativity

### Published support materials

- [Creativity Toybox](#)  
Twenty-one very short creative exercises for use with whole groups of young people in the classroom or community setting. These are warm-up/warm-down/filler activities that develop creative thinking skills.
- [Creativity at Work](#)  
Eight interviews with scientists, designers, an architect, a ballet dancer, a cameraman and a baker on how creativity is vital to their work and what that process feels like. Demonstrating how professionals generate ideas, formulate questions, improvise, make connections and allow ideas to evolve.
- [Creativity in the Classroom](#)  
Fifteen examples of how teachers and community learning staff have used creative teaching in the classroom and community setting to deliver Curriculum for Excellence. From games design to storytelling, whole school strategy to pizza boxes, these are small moments of creative inspiration that can be used to inform practitioners' own work. Planned for August 2012.
- [Creative Learning Networks Showreel](#)  
A series of short films which illustrate how Creative Learning Networks are building creative capacity and providing opportunities for learning providers and young people across Scotland, including Aberdeen's Creative Big Picnic for families, Edinburgh's Student Council Conference and Creative Partnerships in Fife.
- [Creativity Portal redesign](#)  
The Creativity Portal has undergone an exciting redevelopment. It is more accessible than ever and tailors content to all users, ensuring you have easy access to the most vital case studies, creative partners, CPD, teaching tools and inspiration for your work
- [Creativity Archive](#)  
An expanding and searchable user generated bank of examples of the creativity that has taken place across Scotland's schools so far – ensuring that none of the learning is ever lost.  
It has been created to help you find and store project reports, case studies, photos and evaluations (in fact, anything that explains what happened and how) from all of the creative projects and lessons that take place every year.

### Planned support materials

- [Online Creativity Measuring Tool](#)  
A reflective online tool that will allow a whole class or group of young people to discuss any creative activity - from a lesson, to a school show, to a workshop or project with creative partners. Planned for September 2012.

### Planned events

- [Creative Learning Networks national sharing/development event](#)  
An event focused on the developing creativity agenda, and an opportunity for the Creative Learning Networks to share learning, challenges and successes from 2012-13 programmes and to look to the future. Planned for June 2013.

## Global citizenship

### Published support materials

- [Global citizenship resource calendar](#)  
Dates and events (including religious and cultural festivals, national and international focus weeks, and major fundraising opportunities) provide exciting, relevant and meaningful contexts for all curriculum areas, whole school initiatives and interdisciplinary learning that can leave a far-reaching, transformative legacy. Each of the events includes details of websites and support materials to help plan activities for learners.
- [Tales of the Games](#)  
Browse the map to see Games Legacy activities across Scotland. See where schools are using the inspiration of the Olympic, Paralympic or Commonwealth Games to develop international partnerships.
- [Sharing your tales of the Games](#)  
Webform for sharing Games Legacy activities.
- [Ready for emergencies?](#)  
An online resource that contains a range of materials to help children and young people prepare for and deal with emergencies. It has been developed for use by practitioners and is designed to deliver experiences and outcomes across the curriculum.

### Planned support materials

- A whole school approach to global citizenship  
An animated video and accompanying CPD resources promoting a whole school approach to developing global citizens. Planned for December 2012.

## International education

### Published support materials

- [Reports on Scottish Continuing International Professional Development \(SCIPD\) study visits](#)  
SCIPD study visits widen teachers' horizons by providing an opportunity for them to look closely at different approaches, reflect on their own practice, develop a global perspective and improve learning and teaching. Sharing experiences from study visits enables others to draw on the good practice for their own work and helps to compare Scottish education against international practices.

## Sustainable development

### Published support materials

- [Working in the energy sector](#)  
Guidance leaflet for teachers and those who advise on careers
- [Schools Global Footprint](#)  
Update of Schools Global Footprint - a teaching resource that helps you to explore and to reduce the environmental effect your school has on the planet.

### **Planned support materials**

- Schools Global Footprint  
Further revision and new presentation of the interactive elements of the website.  
Planned for September 2012.

### **Planned events**

- Learning from Experience  
An event led by Dumfries and Galloway Council and also involving South and East Ayrshire. The event will use the proposal to develop a UNESCO Biosphere Site within the authority to drive a regional approach to sustainable development education, developing global citizenship and outdoor learning. Planned for late September 2012.

## Outdoor Learning

### Published support materials

- [Practical guidance, ideas and support for teachers and practitioners in Scotland](#)  
This resource provides practical, accessible and straightforward advice on how to engage children and young people with learning outdoors. It incorporates ideas for organising learning in the outdoors, for making connections across the curriculum and for planning within curriculum areas. It also includes a CPD framework and supporting materials.
- [Building your Curriculum: Outside and In](#)  
This resource supports a strategic approach to the development of outdoor learning and provides a framework and process for collaborative planning and review.
- [School and centre grounds](#)  
Explore the ways learning can take place outside but remain within the boundaries of your grounds, or close by - using the spaces most accessible to you to bring learning to life in an exciting and engaging way.

### Planned support materials

- 3-18 Places Project Community of Practice  
An online professional learning hub for coaches and leaders in 3-18 Places Projects (These are collaborative action learning projects in local off-site places, in which groups aged 3-18 years work together to facilitate progression in a specific curriculum area, engaging with the place, the community and with expert partners). Planned for August 2012.
- 3-18 Places Project  
New support materials to enable educators leading outdoor learning off-site. Includes professional learning resources for staff groups and practical activities for curriculum making in outdoor places/working with groups in outdoor learning. Planned for September 2012.
- School and centre grounds: New Outdoor Learning CPD community for Outdoor Spaces  
This school and centre grounds development resource is intended for: estate planners and managers; risk managers; quality improvement officers (QIOs) and education managers in local authorities; architects; and designers. Planned for October 2012.
- School and centre grounds: New Outdoor Learning CPD community for supervisors of outdoor activity  
New outdoor learning CPD community for all those who supervise children and young people in learning and play outdoors. Planned for October 2012.
- School and centre grounds: Reports on visit to Berlin  
Following the Playground Study Visit to Berlin in June 2012, Grounds for Learning published a collation of reports from participants, which will be uploaded to our outdoor spaces CPD community. Planned for October 2012.
- Going Out There: Scottish Framework for Safe Practice in Off-site Visits  
The new framework to support educators in leading learning outside and offsite. Planned for October 2012.

- **Conservation Issues**  
Learning journeys with the giant pandas at Edinburgh Zoo as a context for interdisciplinary learning through outdoor learning. Planned for November 2012.
- **School and centre grounds: Grounds for Learning update 1**  
Update [Grounds for Learning \(GFL\) videos](#) to include Natural Play, Woodland Play, Loose Materials, Sand and Water, physical activity. Planned for November 2012.
- **School and centre grounds: Grounds for Learning update 2**  
Includes new update for literacy, numeracy and health and wellbeing, sciences, social studies and global citizenship. It also includes additional support needs activities via the blog. Planned for January 2013.
- **Celebrating Seasons Site**  
New page added to outdoor learning section of website to support the year of Natural Scotland, field studies and food and celebrations. Planned for January 2013.
- **Natural Scotland Site**  
New page added to outdoor learning section of website to support the year of Natural Scotland and the implementation of Curriculum for Excellence through outdoor learning using field studies. Planned for April 2013.
- **School and centre grounds: New site for children and young people**  
New site for children and young people to participate in design and development of their outdoor spaces for learning and play, through developing global citizenship activities. Planned for April 2013.
- **Growing Food site and Interactive Map**  
Practical help for school gardening and growing schools. Map to include details from each establishment/group about their food growing projects. Planned for May 2013.

### **Planned events**

- **Learning from Experience**  
An event led by Dumfries and Galloway Council and also involving South and East Ayrshire. The event will use the proposal to develop a UNESCO Biosphere Site within the authority to drive a regional approach to sustainable development education, developing global citizenship and outdoor learning. Planned for September 2012.
- **3-18 Places Projects Go Event**  
Regional events for 3-18 Places Projects leaders and partners will provide peer support and collaboration opportunities. Planned for September 2012.
- **School and centre grounds**  
First Meeting of the School and Centre Grounds Advisory Group. Planned for October 2012.
- **National Outdoor Learning Network**  
Meetings for outdoor learning QIOs for local authorities and national partners in outdoor learning. Four meetings planned from October 2012 through to May 2013.
- **Leading Professional Learning for Curriculum for Excellence through Outdoor Learning**  
National gathering of teacher educators, initial teacher education (ITE) staff, universities and national partners in outdoor learning to plan forward for cohesive programming in professional learning and leadership. Planned for November 2012.

- Outdoor learning event  
Health and Wellbeing through Outdoor Learning - National Schools Out day for schools and communities. Planned for March 2013.
- National Implementation Group for Outdoor Learning  
Meetings for National Strategic partners in implementing Curriculum for Excellence through Outdoor Learning. Four meetings planned from September 2012 to April 2013.
- Growing Food in Schools and Centres National Event  
A National Professional Learning Partnership Event for practitioners on growing food. Planned for May 2013.

## Outdoor learning with National Parks

### Published support materials

- [Clim-ATIC media project](#)  
A partnership project involving primary schools in the Cairngorms considering the mitigation of, and adaptation to, climate change, with support from an international project.
- [LOST? archaeology project](#)  
In June 2010, 130 young people from Upper Deeside started working with local and national archaeology groups on what is thought to be the largest schools archaeology project of its kind in Scotland.

### Planned support materials

- LOST? archaeology project update  
Update on next steps section. Planned for December 2012.
- Joint National Parks schools media project  
A link to the highlights from the nine short films produced entirely by pupils from partner secondary schools, developing skills with support from Aberdeenshire media unit. Planned for December 2012.
- National Nature Reserves Resources for Abernethy and Muir Of Dinnet  
Resources supporting progression in Curriculum for Excellence through revisiting a local designated place. Planned for December 2012.
- Getting into Scotland's National Parks and National Nature Reserves  
Comprehensive information, case studies, resources and contact details to support teachers and educators in overcoming perceived barriers to outdoor learning. Planned for December 2012.

### Planned events

- CPD for Abernethy National Nature Reserve new resources  
Sessions for teachers and rangers to launch the new National Nature Reserve resources for Curriculum for Excellence. Planned for August 2012.
- CPD for Muir of Dinnet National Nature Reserve new resources  
Sessions for teachers and rangers to launch the new NNR resources for Curriculum for Excellence. Planned for August 2012.

- Outdoor Learning with National Parks Staff CPD residential weekend Inspiring Landscapes, Inspiring Learning. Using local areas for curriculum building across all sectors. Planned for September 2012.
- Outdoor learning with National Parks – senior pupil residential Senior pupils’ residential at Abernethy centre, Nethybridge. Leadership, personal development and John Muir Award. Planned for September 2012.

## Parental Involvement

### Published support materials

- [Curriculum for Excellence: Assessment - Frequently asked questions](#)  
Answers to common questions about assessment in Curriculum for Excellence, including the different roles and responsibilities, children's reports, and the new curriculum levels.
- [Broad General Education in the Secondary School – A Guide for Parents and Carers](#)  
A guide for parents about broad general education, the period from age 3 to the end of S3, covering all of the experiences and outcomes across all curriculum areas.

### Planned events

- Parents as partners learning events  
Local authority CPD events as part of newly qualified teachers (NQT) induction programme. Planned to take place throughout the year.
- National Parent Forum of Scotland (NPFS) National Conference  
Aiming High - an event for parents, children and young people. Planned for October 2012.
- Parental focus groups  
The NPFS is planning a series of parent focus groups. The topic of each of these, the venues and dates have still to be confirmed. Planned to take place throughout the year.

## Skills for learning

### Published support materials

- [Developing skills for learning, life and work](#)  
Case studies, from a variety of primary and secondary settings around Scotland, demonstrate evidence of progression in the development of skills for learning, life and work as outlined in 'Building the Curriculum 4'.
- [Skills in Practice](#)  
This resource has been designed for use by practitioners and local authority staff, to help them review and adapt their current approaches to developing skills for learning, life and work in the context of Curriculum for Excellence. A key aspect of the resource is to help facilitate reflection on planning for skills development, while considering what progression, learning and teaching and assessment could look like.

### Planned events

- [Developing Learners' Essential Skills in Scotland](#)  
Focusing on Curriculum for Excellence and Skills for learning, life and work, the conference will explore:
  - Good practice on building upon learners' prior experiences and effectively measuring their progress in essential skills
  - How well colleges and schools provide relevant and contextualised learning opportunities
  - The effectiveness of the ways in which learners are prepared for further learning or employment opportunities.

Planned for 25 September 2012.

## Enterprise in education

### Published support materials

- [Excellence in Education through Business Links \(EEBL\)](#)  
Videos that feature teachers who have been on EEBL placements, businesses who have hosted placements and worked closely with schools, and children and young people who have benefited from their teachers going on placements and the resulting school/business partnership working.
- [Entrepreneurial skills across the curriculum](#)  
This group of case studies highlights the positive impact that developing entrepreneurial skills has had on the confidence and self-esteem of young people. The case studies also embody the opportunities to develop skills across the curriculum that young people are entitled to receive.
- [World of Work Online additional material](#)  
Videos for typical job activities have been added for the following areas: construction; contact centres; food and drink production; health and beauty; healthcare; passenger transport; retail and leisure; scientific services; and waste management.

## Studying Scotland

### Published support materials

- [Studying Scotland website](#)  
Studying Scotland is a resource that will help build confidence in the learning and teaching of Scotland within the curriculum, making it a rewarding and valuable experience for both learner and practitioner.

### Planned Events

- CPD Events  
Events to be held in Inverness, Stirling, Troon, Edinburgh, Glasgow and Dryburgh during September and October. The purposes of the events are to:
  - set the context for learning about Scotland (The Ministerial working group recommendations, Education Scotland support and what this means in your educational establishment)
  - work together to share good practice in learning about Scotland
  - explore the 'Studying Scotland' online resource.

## Supporting learners

### Additional Support Needs

#### Published support materials

- [Books for All: improving accessibility to curricular materials for print disabled pupils](#)  
The Books for All project is delivered by CALL Scotland on behalf of the Scottish Government. The project supports local authorities, teachers and other practitioners in the provision of adapted learning materials in accessible, alternative formats for pupils who have difficulties reading ordinary printed books.
- [Portable software: supporting the accessibility needs of print-disabled pupils](#)  
A group of schools investigated the use of portable, open-source, freeware programs designed to meet the accessibility needs experienced by print-disabled children and young people. The software used was from the EduApps initiative and consists of eight useful software collections which cover a range of user requirements to support teaching and learning. Read what each school has to say about the process, and listen to the staff and pupils explain what the outcomes and impacts have been.
- [A collection of three North Lanarkshire case studies on supporting transitions](#)
  - Expanded Learning Opportunities (ELO) help support transitions for young people
  - Flexible Learning: supporting transitions for young people with additional support needs
  - Coalyard transition project – providing stepping stones to employment for young people with learning disabilities.
- [Principles of supporting children's learning](#)  
Coordinated Support Plan (CSP) Booklet.
- [Improving communication skills – Duncanrig Radio](#)  
Case study showing how a radio station run by students can support inclusion.
- [Service families](#)  
Information and resources to help practitioners meet the needs of children from service families, who may face barriers to their learning, including interrupted education and social and emotional difficulties.
- [Extended Outreach in North Ayrshire](#)  
Case study that examines the importance of a partnership approach to providing the right support and an appropriate learning environment for young people.
- [Partnership working - External school hub - West Lothian](#)  
The External school hub, West Lothian, aims to bring partnership agencies together to support vulnerable young people who require more choices and more chances.

### English as an additional language

#### Published support materials

- [English as an additional language \(section of the website\)](#)  
Advice and information on supporting bilingual learners who must be supported beyond the acquisition of social fluency to ensure meaningful access to the whole curriculum, to enable learning, achievement and social and personal development.

## **Inclusive education**

### **Planned events**

- Additional support needs (ASN) Conference - Autistic Spectrum Disorders  
Sector specific conference for practitioners, charities and organisations supporting children and young people with associated autistic spectrum disorders. Planned for March 2013.
- ASN Conference – Multiple/Complex Needs  
Sector specific conference for practitioners, charities and organisations supporting children and young people with multiple/complex needs. Planned for March 2013.
- ASN Conference - Social, Emotional and Behavioural Needs  
Sector specific conference for practitioners, charities and organisations supporting children and young people with social, emotional and behavioural needs. Planned for March 2013.

## **More Choices More Chances**

### **Published support materials**

- [Partnership working - External school hub - West Lothian](#)  
The External school hub, West Lothian, aims to bring partnership agencies together to support vulnerable young people who require more choices and more chances.
- [Extended Outreach in North Ayrshire](#)  
Case study that examines the importance of a partnership approach to providing the right support and an appropriate learning environment for young people.