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(arranged according to the 14 subject lines of the 14-19 Diplomas)	

## **Work-related Learning for Achievement**

### **a prospectus of products and services**

#### **Aim**

The aim of the prospectus is to help schools and colleges develop work-related learning for achievement, address the statutory requirement for work-related learning at Key Stage 4, as well as supporting wider developments in applied learning (chiefly the new 14-19 Diplomas and their associated Functional Skills).

It gives teachers and lecturers “in one place” information about products and services provided or brokered by the Education Business Group West of England for children and young people in Bath & North East Somerset, Bristol, North Somerset and South Gloucestershire.

#### **Contents**

Products and services are listed for Key Stages 2, 3 and 4, and post-16. Certification and accreditation opportunities are included where appropriate. Each entry is accompanied by a table showing links to the following aspects of schools' and colleges' agendas:

- Work-related learning (general WRL, including Work Experience)
- Core curriculum
- Science Technology Engineering Maths curriculum (STEM)
- Enterprise
- Employability Skills
- Applied Learning (including 14-19 Diplomas)
- Functional Skills
- Personal development
- Information Advice Guidance and Support, including Careers Education and Guidance (IAGS/CEG)
- Citizenship
- Support for organisational and adult development.

Please note that while providers will do all they can to meet demand, there is a limited supply of some of the products and services listed.

#### **Additional information**

You might find it useful to know that there is data on work-related learning activities delivered by the Education Business Group in partnership with each secondary school/college in 2005-6; if you would like your data do please let me know.

## The learners' view of Work-related Learning

The key findings from the Work-related Learning perception surveys carried out in over 40 West of England schools/colleges in the period 2004 – 7 show that...

- Young people are very enthusiastic about work-related and enterprise learning, really enjoying and valuing the opportunities they are given (both as activities in themselves but also in terms of learning and skills development).
- Young people across a range of abilities want more work-related learning. This includes strong messages from very able students.
- Young people want to understand how subject-based learning links with the world outside school/college. They want the practical applications of what they are being taught made explicit. For them, this has strong links to motivation.

Young people also report that there is little work-related learning happening in their subjects. Where there are examples of good practice they are often not linked together or reinforced, so the impact on young people's achievement (engagement, attainment and progression) is less than it might be.

## Feedback about this prospectus

We will continue to consult schools/colleges and Children's & Young People's Services about the usefulness of the prospectus. In the meantime we would like to receive any immediate comments you may have.

I do hope you find this publication useful.

**David Hunt**

**Employability Skills Group Manager  
@ Connexions West of England**

on behalf of **The Education Business Group West of England**, comprising:

- Business in the Community
- The Employability Skills Group @ Connexions West of England
- Engineering Education Scheme
- Enterprise Education Trust
- The Industrial Trust
- Learning and Skills Council West of England
- Trident from Edexcel
- Wessex SETPOINT
- Young Enterprise.

## At-Bristol

**Target groups** – All Key Stages and 14-19

**This service addresses the following aspects of provision:**

Work-related learning	Citizenship
Enterprise	Employability skills
Organisations and adults	Personal development
Core curriculum	Science, Technology, Engineering, Maths (STEM)
Applied learning (inc. 14-19 Diplomas)	Functional skills

## Outline of the service

At-Bristol aims to inspire young people with an enthusiasm for science and to develop skills of enquiry and investigation.

### Services include:

- *Explore* – a hands-on science centre with over 170 interactive exhibits.
- *Citizen Science* – engaging young people and teachers/lecturers in the debate around bio-medical science issues. Web resources are available.
- *Psychology Programme* – workshops for KS4 and post-16 students, as well as the Your Amazing Brain exhibition and supporting web resources.
- A programme of lab-based '*real world science*' workshops.
- *Business, Leisure & Tourism* workshops using At-Bristol as a case study.

Special events, exhibitions and lectures including theme days, gifted and talented days and continuing professional development events (through Science Learning Centre South West).

### Take-up

About 90% of the primary and secondary schools in the West of England area have visited At-Bristol. In the South West region overall, we have been visited by pupils from more than half of the primary and secondary schools and colleges.

### Costs

£4.45 per student for Explore visits. Workshops from £1.75. For every ten students, one accompanying adult goes free. For pre-school groups and groups with special educational needs, one adult goes free for every five students. Group visits need to be booked at least 14 days in advance.

### Contact

*Alex Monday* - Liaison Officer  
Tel: 0845 345 3344 or 0117 915 5000  
Fax: 0117 915 7200

Email: [education@at-bristol.org.uk](mailto:education@at-bristol.org.uk)

## Architecture Centre, Bristol

**Target group** – Key Stage 3 and 4 students of Art & Design and Construction.

**This service addresses the following aspects of provision:**

Work-related learning	Employability skills
Enterprise	Citizenship
Personal development (eg. 14-19 Diplomas)	Applied learning

### Outline of the service

The Architecture Centre is dedicated to education about and through the built environment. We aim to facilitate access to, understanding of and engagement with, architecture and the built environment in all its forms by:

- Providing support and information for education in the classroom/college department, through the development of resources and projects relevant to the built environment.
- Providing learning opportunities outside the classroom through site visits and events held at the centre.
- Encouraging the involvement of built environment professionals in education activities.  
**A variety of activities are offered:**
- Design related workshops, with input from industry professionals
- Careers related workshops and activities
- Project/activity development linked to the Building Schools for the Future programme
- 'How Places Work' – facilitated visits to contemporary buildings with a professional inspirer
- Resource material to support built environment education
- Workshops which promote and explore enterprising behaviour
- Facilitate young people's learning about artistic/design processes which professionals use.

CPD events can be organised related to specific areas. Resources are available to support the activities and teaching staff can sign up to an email newsletter for schools/colleges.

### Take-up

Approximately 1,000 young people were involved in education/outreach projects during 2005-6.

### Contact

Amy Harrison - Education Manager  
Architecture Centre, Bristol  
16 Narrow Quay  
Bristol BS1 4QA

Tel: 0117 922 1540

Fax: 0117 922 1541

Email: amy.harrison@architecturecentre.co.uk

## Business in the Community

engaging business in education

Business in the Community is a unique movement of over 750 member companies. Its purpose is to inspire, challenge and support business in continually improving its impact on society in the community, environment, marketplace and workplace.

**This service addresses the following aspects of provision:**

Work-related learning	Employability skills
Enterprise	Citizenship
Organisations and adults	Personal development

**Please note that no new activity will be available during 2007-8.**

**The following information will be of use in planning activity during the following year.**

Business Action on Education brings Business in the Community's work into schools/colleges. Its mission is to help create tomorrow's competitive workforce by inspiring and engaging businesses to work in partnership with schools/colleges to raise the levels of achievement of young people, especially those in disadvantaged circumstances.

Business Action on Education will focus on three priority themes:

- *Employability:* Businesses working with schools/colleges to inspire and equip students to successfully enter the world of work.
- *Enterprise:* Businesses working with schools/colleges to design and deliver relevant, challenging and engaging approaches to enterprise learning (e.g. understanding what business is, empowering students to take initiative, make decisions and cope with change).
- *Leadership and management skills:* Business and school/college leaders working together to enhance each other's leadership and management skills.

### Contact

Business in the Community (West of England)  
ITV West  
Bath Road  
Bristol BS4 3HG

Tel: 0117 972 2111

Email: westofengland@bitc.org.uk

## West of England 14-19 Diploma Development Networks

Work-related learning	Progression guidance
Science, Technology, Engineering, Maths	Applied learning (14-19 Diplomas)
Organisations and adults	Enterprise
Employability skills	

Development networks have been set up to support the first five Specialised Diploma subjects:

- Construction & the Built Environment
- Creative and Media
- Engineering
- IT
- Society, Health and Development (formerly Health & Social Care).

The networks have held introductory meetings which brought together key practitioners from schools, FE colleges, work-based training providers, employers and Sector Skills Councils.

The aim of the networks is to act as steering groups sharing information and establishing support mechanisms so that planning in our area partnerships can meet national requirements for 14-19 learners. Meetings enable network members to collaborate across Local Authority boundaries and ensure that knowledge and resources are distributed throughout the four West of England counties.

The networks are considering such areas for development as:

- education business links
- opportunities for work-based learning
- information, advice guidance and support
- teachers'/lecturers' training and development needs.

For further information about the Diploma networks, or to join a meeting, please contact either:

*Pam Hayes* – 14-19 Vocational Advisor

Tel: 01454 868 661

Email: pam.hayes@southglos.gov.uk

or

*Jo Adlam* – 14-19 Flexible Learning Coordinator

Tel: 0117 377 3245

Email: jo.adlam@bristol.gov.uk

More detailed information about the outcomes of the network meetings so far can be found in the "Industry Links" section under relevant subject headings.

## Directories of wider learning opportunities

### 14-16 Learning Directory (Bristol) 2007

This is a resource for teachers, lecturers and other adults supporting young people, developed to provide information on work-related, flexible and vocational learning opportunities across the city. The providers include freelance tutors, FE colleges, work-based learning providers, voluntary and community organisations.

For information about obtaining copies please contact:

*Jo Adlam*

Tel: 0117 377 3245

Email: jo.adlam@bristol.gov.uk

### Directory of Flexible Learning Opportunities (South Gloucestershire) 2007

This resource is also now available and will have been distributed to schools/colleges in South Gloucestershire during the week beginning 23 January.

For further information, or to enquire about additional copies, contact:

*Rusty Ansell*

Tel: 0117 909 2374

Email: rusty.ansell@filton.ac.uk

## EEF Western

This service addresses the following aspects of provision:

Work-related learning	Enterprise
Employability skills	Science, Technology, Engineering, Maths (STEM)
Core curriculum	Personal development

### EEF Apprentice of the Year Competition for South West England

#### Target group

Young people on Advanced Apprenticeships in Engineering or Engineering Manufacture.

#### Outline of the competition

The competition is open to apprentices employed in the South West Regional Development Agency (RDA) area and therefore is applicable to all parts of the EBG West of England area.

Those who are interested in being entered should speak to their Tutor(s) or company Training Manager, or Training Managing Agent. There are two levels of entry.

First year apprentices, undertaking an Engineering or Engineering Manufacture Advanced Apprenticeship at the Initial Stage of the Framework (NVQ level 2) and second to fourth year apprentices, undertaking an Advanced Apprenticeship in Engineering or Engineering Manufacture (NVQ level 3).

#### Cost

Staff and student time only. There are no direct charges to participants.

## EEF Technology Tree

**Target group** – Key Stages 1 and 2 in mainstream schools, but open by negotiation to older students with special educational needs.

#### Outline of the programme

- Brief placement for a link teacher/lecturer in a local company
- Visit(s) by a group of students to the company
- Visit(s) by an engineer from the company to the school/college.
- An engineering topic is identified as the focus for a project, for example, electronics, manufacturing, utilities, transport, friction and forces.
- The partner company helps the school/college to devise learning activities based on the chosen topic
- LEA Health and Safety requirements are met
- Parents are encouraged to take part.

The service includes guidance about potential partnership companies, and useful reading for schools/colleges.

EEF has produced a guide to 'Safe, Healthy and Effective Educational Visits' which can be downloaded in pdf format for free from [www.eef.org.uk](http://www.eef.org.uk)

It includes:

- a flowchart of processes
- responsibility of the school
- responsibilities of the host company
- shared responsibilities.

#### Costs

No direct costs to schools/colleges. Partnerships are local, keeping transport costs low.

#### Contact

*Frances Chambers* – Education and Skills Adviser

EEF Western

Engineers' House

The Promenade

Clifton Down

Bristol BS8 3NB.

Tel: 0117 906 4800

Fax: 0117 974 4288

Web: [www.eef-western.org.uk](http://www.eef-western.org.uk)

## The Engineering Education Scheme

**Target group** – Post 16 – with possible expansion into Year 11.

A pilot Key Stage 4 version of the project worked very well with Year 11 students in a Bristol school. It is hoped to expand this aspect of the scheme. Enquiries about this are welcome.

**This service addresses the following aspects of provision:**

Work-related learning	Employability skills
Applied learning (eg. 14-19 Diplomas)	Science, Technology, Engineering, Maths (STEM)
Enterprise	Personal development
Core curriculum	Functional skills

### Outline of the scheme

It aims to promote engineering with young people through collaboration with engineers, teachers and academics by working on industrial problems set by the sponsoring company.

Teams of four Year 12 students are linked with a local employer who acts as a mentor.

Teams are set a real and challenging engineering problem relevant to the company. There is a residential workshop at either UWE (Bristol) or University of Plymouth for teams to draw upon expertise and facilities otherwise not available to them. The project concludes with a Celebration and Assessment Day where teams exhibit and present their work to experts and the public.

### Take-up

36 students from three West of England Local Authorities took part in the scheme during 2005-6.

### Accreditation/certification available

The Scheme can lead to a CREST Award at Gold level (see Wessex SETPOINT entry for more information) and fulfil the Skills section for Duke of Edinburgh's Award.

### Costs

Currently £200 for each team entered.

### Contact

*Andy Atkinson* – Regional Director, Engineering Education Scheme  
Department of Mathematics & Statistics  
University of Plymouth  
Plymouth PL4 8AA

Tel: 01752 232 360  
Fax: 01752 232 780

Email: [aatkinson@plymouth.ac.uk](mailto:aatkinson@plymouth.ac.uk)  
Web: [www.thescheme.org.uk](http://www.thescheme.org.uk)

## Enterprise Education Trust

**This service addresses the following aspects of provision:**

Work-related learning	Enterprise
Personal development	Employability skills
Organisations and adults	Applied learning (eg. 14-19 Diploma in Business Administration & Finance)
Functional skills	Citizenship

The **Enterprise Education Trust** brings together *businessdynamics*, The Network for Teaching Entrepreneurship (NFTE), Blue Skies and Achievers International. Together they deliver a wide range of flexible, interactive and complementary programmes for young people of all abilities. The Trust works with more than 90,000 14-19 year olds every year.

*businessdynamics* brings business to life for students by running flexible work-related one and two day programmes designed to build students' confidence, increase their knowledge of business, and help them to develop the key employability and enterprise skills essential for success in the workplace. The programmes use business volunteers as role models to inspire young people. In the West of England over 1,200 young people took part in *businessdynamics* activities during 2005-6.

### Contact

*Graham Gunstone* – *businessdynamics* Senior Programme Manager (Wales and the West)

Tel: 01633 440669

Email: [grahamgunstone@btopenworld.com](mailto:grahamgunstone@btopenworld.com)

Web: [www.businessdynamics.org.uk](http://www.businessdynamics.org.uk)

**NFTE (The Network for Teaching Entrepreneurship)** was established in the UK in 2000, and is part of an international not-for-profit network. NFTE trains teaching staff to deliver its BTEC accredited business start-up and personal development programme. Using the principles of entrepreneurship to empower young people, students are taught the enterprise skills, beliefs and attitudes needed to run their own business.

**Contact**

*Fiona Spencer-Hayes* – NFTE Programme Manager

Tel: 020 7261 4508

Email: [fonash@nfte.co.uk](mailto:fonash@nfte.co.uk)

Website: [www.nfte.co.uk](http://www.nfte.co.uk)

**Blue Skies** is a multi-media roadshow which brings students face to face with successful entrepreneurs. It is run as a multi-institution event, and normally requires a minimum of 8-10 schools/colleges to participate. In the West of England 826 young people attended Blue Skies events during 2005-6.

**Contact**

*Duncan Sandison* – Blue Skies Programme Manager

Tel: 0207 261 4514

Email: [duncan@enterprise-education.org.uk](mailto:duncan@enterprise-education.org.uk)

Web: [www.blue-skies.uk.com](http://www.blue-skies.uk.com)

**Achievers International** is an online international trading project. It is currently being redesigned, but we expect it to be available from September 2007.

Enterprise Education Trust

Enterprise House

1-2 Hatfields

London SE1 9PG

Web: [www.enterprise-education.org.uk](http://www.enterprise-education.org.uk)

## businessdynamics – Business Awareness

**Target group** – Post-16

### Outline of the programme

The Business Awareness Programme is a two-day programme designed to improve students' understanding of business and its crucial role in the economy. It is delivered by trained volunteers from business, and consists of an introduction and 6-8 interactive seminars over two days, culminating in team presentations.

It introduces students to topics such as:

- Business Planning
- Sales & Marketing
- Design & Innovation
- HR
- Finance
- Running a Small Business

The programme may be themed to support vocational courses, for example, Leisure and Tourism, Engineering, Construction, Health & Social Care, etc. There is also an 'e-business' themed programme available. It can also be adapted for students with special needs. The businessdynamics Programme Manager liaises with the school/college in advance to ensure the programme is pitched at the appropriate level.

### How the service contributes to student achievement, engagement, skills and progression.

Students:

- Learn about the way business enterprises operate, including working roles
- Learn from contact with trained business volunteers from a variety of sectors
- Makes the link between the classroom and the workplace, by demonstrating how skills and knowledge gained at school/college can be utilised in a work-related context
- Engage with ideas, challenges and applications from the business world
- Develop awareness of a wider range of career opportunities.

### Take-up

62 young people from the West of England took part in the programme during 2005-6.

### Accreditation/certification available

Students receive a nationally recognised certificate, and schools/colleges are given copies of the valued textbook, "The Business".

### Costs

Normally £750 for up to 30 students per programme (£250 booking deposit, and £500 contribution to the cost of the programme). THIS PRICE IS NEGOTIABLE.

## businessdynamics – Key Skills for Work and Enterprise

**Target groups** – Key Stage 4 – or can be used with Year 9 as a preparation for KS4.

### Outline of the programme

The Key Skills at Work programme is a one day programme designed to assist young people in the development of key employability skills such as:

- Communication
- Problem-solving
- Working with others
- Financial literacy
- Making presentations.

Students undertake a series of work-related activities, with the assistance of a business volunteer, normally finishing the day with an opportunity to make a presentation about what they have learnt during the course of the day.

The programme is designed for groups of between 40-60 young people, or can be delivered to a whole year group by implementing a carousel model and running several programmes concurrently. The businessdynamics Programme Manager liaises with the school/college in advance to ensure the programme is pitched at the appropriate level.

### How the service contributes to student achievement, engagement, skills and progression.

Students:

- Undertake tasks and activities set in work contexts
- Apply key enterprise and employability skills to extend their understanding of what employers expect from new employees in terms of attitudes and behaviours
- Learn about the way businesses operate.

The programme can be used as a way of preparing the students for work-experience, for undertaking a longer term enterprise project or simply as part of their enterprise education entitlement. The programme also aims to increase students' self confidence by showing them how skills they have learnt in the classroom are relevant once they move to the work place.

### Accreditation/certification available

Students receive a nationally recognised certificate and a Key Skills Self-Assessment Record in order to evaluate what they have learnt.

### Take-up

960 young people from the West of England took part in the programme during 2005-6.

### Costs

Normally £750 for up to 60 students per programme (£250 booking deposit, and £500 contribution to the cost of the programme). THIS PRICE IS NEGOTIABLE.

## The Network for Teaching Entrepreneurship (NFTE)

**Target groups** – Key Stage 4 and post-16.

### Outline of the programme

NFTE has a well-researched curriculum, an internationally recognised teacher training programme and a substantial library of resources for teaching staff and students, including motivational games and activities. Through a creative, practical and dynamic approach, students are encouraged to develop their potential and independent abilities, setting up their own small businesses in a highly interactive and supportive environment.

Based on 60 hours of teaching time (or 90 learning hours), the NFTE programme is a step-by-step approach to planning and implementing a commercial business idea, taught by teachers or community educators. NFTE provides certified teacher training, award-winning resources, and on-going professional support and development to teaching staff who deliver the NFTE programme, as well as organising events and activities to further the students learning. This programme can be flexibly adapted into the relevant school/college context and curriculum.

### Accreditation/certification available

Students following the full NFTE programme can enter for the BTEC Level 2 Intermediate Award 'Preparing for Enterprise' which is accredited to the National Qualification Framework and allocated 46 performance points (equivalent to a GCSE grade B).

It is eligible for public funding by the DfES as listed under sections 96 & 97 of the Learning and Skills Act 2000.

How the service contributes to student achievement, engagement, skills and progression.

Evidence from a Centre for Education and Industry [CEI] report demonstrates that NFTE enables young people to develop:

- Skills: such as team work, time management, making decisions, listening to others, solving problems, practical skills (including ICT), giving presentations;
- Personal qualities and attributes: including self-esteem, self confidence, prepared to see another's point of view, increased motivation, 'how to turn negatives into positives';
- Knowledge and understanding: of business ideas and concepts including costing, market research, quality and profit.

### Costs

Two day training course (for non business background teaching staff) = £385

One day training course (for experienced Business Studies teaching staff) = £245

Both courses include full set of materials and resources.

(Student business folders cost £6.99 per student and are purchased separately.)

Start-up loans for student businesses are available from NFTE.

## Industrial Trust

The Industrial Trust aims to enthuse and educate young people of all abilities to aspire to careers in wealth generation and to help equip them with the employability skills they will need for successful working lives.

The programme of Open Industry visits enables young people and their teachers/lecturers to gain experience of the workplace linked to the school/college curriculum.

### Contact

Mark Tinsley – Area Manager, Industrial Trust South West  
c/o Data Systems & Solutions

230 The Close  
Bristol Business Park  
Coldharbour Lane  
Bristol BS16 1EF

Tel: 0117 317 3881

Email: mark.tinsley@industrialtrust.org.uk

### This service addresses the following aspects of provision:

Work-related learning	Citizenship
Enterprise	Employability skills
Organisations and adults	Personal development
Core curriculum	Science, Technology, Engineering, Maths
Applied learning (including 14-19 Diplomas)	

### Take-up

1,113 young people from the West of England took part in Open Industry visits during 2005-6.

## Open Industry Discovery Visits

**Target group** – Key Stage 2.

### Outline of the service

Open Industry Discovery Visits introduce young people in Years 3 to 6 to Britain's rich industrial heritage, and the scientific and technological discoveries that we now take for granted. Discovery Visits take place at hands-on science centres and industrial museums, and at companies that are equipped to handle visits by children in this age group.

Visits normally last from half day to a full day.

### How the service contributes to young people's achievement, engagement, skills and progression.

The insight into the world of work offered by these visits can:

- support the raising of achievement in science, technology and maths
- improve motivation and confidence
- help young people get the most out of work-related learning and participate more successfully in Key Stage 3 and 4 learning
- offer experience beyond school, and help learning to be applied in work, community, home or personal contexts
- develop key, enterprise and employability skills.

### Costs

For LEA schools. £3 per visitor, plus a 67% contribution towards any transportation costs incurred (the remaining 33% is subsidised by Open Industry). In some special cases, sponsorship of visits is available for visits, enabling Open Industry to waive the cost. If applicable, the entrance fees are payable by the school.

## Open Industry Investigative Visits

**Target group** – Key Stage 3 students and their teachers.

### Outline of the service

Open Industry Investigative Visits introduce young people in Years 7-9 to business:

- what it produces
- the range of challenging and rewarding careers on offer.

The Industrial Trust can facilitate Investigative Visits for entire Year groups, either in one day on which the Year is off timetable, or over several days. Multi-site visits can include one or more businesses plus museums and hands-on science centres where they all illuminate the same theme.

### How the service contributes to young people's achievement, engagement, skills and progression.

Students investigate the knowledge, skills and attitudes required in the world of work before they make important decisions about which subjects to study at Key Stage 4.

The insight into the world of work offered by these visits can:

- support the raising of achievement in science, technology and maths
- improve motivation and confidence
- help young people get the most out of work-related learning and participate more successfully in Key Stage 4 learning
- offer experience beyond school, and help learning to be applied in work, community, home or personal contexts
- develop key, enterprise and employability skills.

### Costs

For LEA schools. £3 per visitor, plus a 67% contribution towards any transportation costs incurred (the remaining 33% is subsidised by Open Industry). In some special cases, sponsorship of visits is available for visits, enabling Open Industry to waive the cost to schools.

## Open Industry Curriculum Focused Visits

**Target group** – Key Stage 4 and Post 16 students and their teachers/lecturers.

### Outline of the service

Open Industry Curriculum Focused Visits are specifically designed to illuminate a curriculum topic by demonstrating its application in business. Multi-site visits can include one or more businesses plus museums and hands-on science centres which can all illuminate the same element of the curriculum.

Visits normally last between two hours and a full day.

The Industrial Trust has a growing portfolio of company-specific learning materials for students to work through during visits. These work books are produced by educationalists and are ideal for learning curriculum subjects and key skills before, during and after visits. Many of the Work Books are tailored to be included in students' GCSE portfolios of evidence.

### How the service contributes to young people's achievement, engagement, skills and progression.

Curriculum Focused Visits can:

- support the raising of achievement in Science, Technology and Maths at GCSE and post-16, and in a range of vocationally-related qualifications
- improve motivation and confidence
- help young people get the most out of work-related learning and participate more successfully in 14-19 learning
- offer experience beyond school, and help learning to be applied in work, community, home or personal contexts
- develop key, enterprise and employability skills.

### Costs

For LEA schools and colleges. £3 per visitor, plus a 67% contribution towards any transportation costs incurred (the remaining 33% is subsidised by Open Industry). In some special cases, sponsorship of visits is available for visits, enabling Open Industry to waive the cost.

## Open Industry Teacher Visits

**Target group** – Teachers of all Key Stages.

### Outline of the service

Open Industry Visits are typically requested as Continuing Professional Development and, like Curriculum Focused Visits, are tailored to each group's unique needs. Depending on the objective for the visit, visits can focus exclusively on one business or can encompass visits to several different businesses during the course of a full day's CPD.

The groups attending have usually been made up of teaching staff with a common interest from different schools/colleges in an area (for example, primary Science teachers or BTEC National Diploma 3D Design lecturers).

Visits normally last a full day.

### How the service contributes to young people's achievement, engagement, skills and progression.

Professional Development Placements as part of Continuing Professional Development, boost teaching standards, provide practical business-related experience for teaching staff, improve job satisfaction leading to improved retention rates, and promote the exchange of good practice between different schools/colleges.

Teaching staff's enhanced experience enables them to:

- improve their students' motivation and confidence
- help young people get the most out of work-related learning
- offer experience beyond school/college, and help learning to be applied in work, community, home or personal contexts
- develop young people's key, enterprise and employability skills.

### Costs

£3 per visitor, plus a 67% contribution towards any transportation costs incurred (the remaining 33% is subsidised by Open Industry).

## Open Enterprise Visits

**Target group** – Mainly Key Stage 3 and 4 students and their teachers/lecturers.

### Outline of the service

Open Enterprise are in-company educational visits covering themes such as financial awareness, business and economic understanding and enterprise capability.

Visits normally last between two hours and a full day.

### How the service contributes to young people's achievement, engagement, skills and progression.

In addition to stimulating an interest in their courses of study, these visits help to equip students to manage risk and change in their working and personal lives. They are also better equipped to make decisions about careers and further courses of study. Visits can:

- improve motivation and confidence
- help young people get the most out of work-related learning and participate more successfully in Key Stage 4 learning
- offer experience beyond school/college, and help learning to be applied in work, community, home or personal contexts
- develop key, enterprise and employability skills.

### Take-up

225 young people from the West of England took part in Open Enterprise visits during 2005-6.

### Costs

For LEA schools and colleges. £3 per visitor, plus a 67% contribution towards any transportation costs incurred (the remaining 33% is subsidised by Open Industry). In some special cases, sponsorship of visits is available for visits, enabling Open Industry to waive the cost.

## Open Horizon Visits

**Target group** – Key Stage 4 and Post 16 students and their teachers/lecturers.

### Outline of the service

Open Horizon educational visits are designed to encourage young people who might not otherwise do so to enter further and higher education and to aspire to the careers to which they can lead. These are delivered both in companies and in HE/FE institutions.

Visits normally last for a full day.

### How the service contributes to young people's achievement, engagement, skills and progression.

The insight into the world of work offered by these visits can:

- support the raising of achievement in Science, Technology and Maths
- improve motivation and confidence
- help young people get the most out of work-related learning and to make more informed decisions about progression
- offer experience beyond school/college, and help learning to be applied in work, community, home or personal contexts
- develop key, enterprise and employability skills.

### Costs

For LEA schools and colleges. £3 per visitor, plus a 67% contribution towards any transportation costs incurred (the remaining 33% is subsidised by Open Industry). In some special cases, sponsorship of visits is available for visits, enabling Open Industry to waive the cost.

## Open Apprenticeship Visits

**Target group** – Key Stage 3 and 4 students and their teachers/lecturers.

### Outline of the service

Open Apprenticeship in-company educational visits are specifically designed to encourage young people to aspire to the apprenticeship and vocational routes to careers.

Visits normally last between 2 hours and a full day.

### How the service contributes to young people's achievement, engagement, skills and progression.

The insight into the world of work offered by these visits can:

- support the raising of achievement in Science, Technology and Maths
- improve motivation and confidence
- help young people get the most out of work-related learning and to make more informed decisions about progression
- offer experience beyond school/college, and help learning to be applied in work, community, home or personal contexts
- develop key, enterprise and employability skills.

### Costs

For LEA schools and colleges. £3 per visitor, plus a 67% contribution towards any transportation costs incurred (the remaining 33% is subsidised by Open Industry). In some special cases, sponsorship of visits is available for visits, enabling Open Industry to waive the cost.

## Teachers' Professional Development Placements

### Target groups –

- All teachers and lecturers who wish to broaden their experience.
- Non-teaching staff who are involved with advice and guidance for young people about careers or progression into work are also eligible for the scheme. These include careers advisors, Connexions personal advisors, learning mentors and ancillary staff.

### Outline of the service

Placements are intended to give participants practical experience of the modern working world and to increase their understanding of the skills valued by employers. Teachers/lecturers will also see the relevance and application of their subjects in the workplace. Participants can be placed in local businesses, voluntary or public sector organisations. All placements are Health and Safety approved.

- *For individuals.* Employer contacts are suggested and teachers helped to arrange their own programmes. The teachers must have a clear idea of the proposed placement's aim and its potential benefits.
- *For groups.* Focused events are organised throughout the year, and information is distributed to schools. For example, company visits to support vocational subjects.
- *Whole-school.* Several successful models have been developed involving local employers, for example:
  - Key and Employability Skills and the Link to Raising Achievement
  - Motivation and Target Setting. Focusing on the Role of the Tutor.

Institutions are invited to request placements relevant to specific subject needs.

The minimum placement length is one day (or two half days).

### How the service contributes to student achievement, engagement, skills and progression.

Placements can help teaching staff to motivate students by showing them the relevance of their studies to the world of work beyond school, and by helping them to understand and develop their employability skills. They can also provide engaging case study materials and may lead to follow-up visits by students.

### Take-up

262 staff from the West of England area attended placements during 2005-6.

### Costs

There is generally no charge to the institution. Some support may be available for transport, materials, or venue hire. Supply cover costs are not covered.

### Contact

*Alison Chlebig*  
Connexions West of England  
4 Colston Avenue  
Bristol BS1 4ST.

Tel: 0117 907 4458

Email: [achlebig@connexionswest.org.uk](mailto:achlebig@connexionswest.org.uk)

## Science Learning Centre South West

**Target group** – Everyone involved in the teaching of science in primary and secondary schools and FE colleges, such as lecturers, teachers, technicians and teaching assistants.

### This service addresses the following aspects of provision:

Organisations and adults	Science, Technology, Engineering, Maths (STEM)
Core curriculum	Citizenship
Functional skills	Work-related learning
Applied learning (including 14-19 Diplomas)	

### Outline of the service

The national network of Science Learning Centres supports science teaching and learning by providing innovative and cutting edge continuing professional development courses.

Science Learning Centre South West is a partnership between At-Bristol, the University of Bristol and the University of Plymouth.

The service:

- covers all areas of science teaching from Foundation Stage to Post-16
- underpins the science knowledge required in specialist courses such as physics, chemistry and biology and associated subjects such as mathematics, statistics, technology, medicine, engineering and ICT
- includes provision to teach the social and ethical aspects of science and its effect on our lives
- offers on-line resources and a drop-in centre for staff in At-Bristol.

Courses range from half-day or full-day sessions up to 4-day sessions.

Twilight sessions are also offered in 2-3 hour slots.

Science Learning Centre South West offers bespoke courses for individuals, departments, whole school/college groups or clusters of schools and colleges. We can tailor a course, away day or special event to meet your needs, at the Centre or your school/college.

### Take-up

1,784 course days were attended by teaching staff in the West of England area during 2005-6.

### Costs

Course costs vary, depending on materials used and resources available to delegates. Our standard courses cost £100 per day per staff member. Access to the web portal, online resources and the Staff Resource Room are free.

### Contact

*Fiona Everitt* – Centre Manager

Tel: 0117 915 7143

Email: [info@slcsw.org.uk](mailto:info@slcsw.org.uk)

Web: [www.sciencelearningcentres.org.uk](http://www.sciencelearningcentres.org.uk)

## Wessex SETPOINT

### Contact

John Trickett  
Wessex SETPOINT  
University of Bath  
Bath BA2 7AY

Tel: 01225 386930  
Fax: 01225 386427

Email: [setpoint@bath.ac.uk](mailto:setpoint@bath.ac.uk)  
Web: [wessex.setpoint.org.uk](http://wessex.setpoint.org.uk)

The following pages provide information about activities which support young people's learning in Science, Technology, Engineering and Mathematics.

### Accreditation available

The activities provided by Wessex SETPOINT do not themselves gain points on the National Qualifications Framework, but all make valuable contributions to learning in Science, Technology, Engineering and Mathematics.

## First Lego Leagues (FLL) – Robotics Competition

Target groups – Key Stages 2 to 4

This service addresses the following aspects of provision:

Work-related learning	Employability skills
Enterprise	Science, Technology, Engineering, Maths (STEM)
Core curriculum	Functional skills
Personal development	Applied learning (including 14-19 diplomas in IT and Engineering)

### Outline of the service

The FLL Robotics competition is an international competition for children aged between 9 and 16 years. It combines a hands-on, interactive robotics with a sports-like atmosphere using the LEGO MINDSTORMS Robotics Invention System.

Teams of up to ten students build and programme robots to carry out a series of missions and undertake a research project linked with that year's theme. Previous themes have been; Mission to Mars, No Limits, Ocean Odyssey and Nano Quest.

The robots are developed over a period of eight weeks (from early-September) in schools/colleges either within curriculum time or as a lunchtime or after-lesson club.

At the end of the eight week period teams attend a robotics competition day held at the University of Bath.

Prizes are awarded for:

- robot performance
- teamwork
- research presentation
- technical design.

The overall winner can then participate in the UK National Final and potentially make it all the way to the world finals in Atlanta, USA.

### Take-up

1,077 young people from the West of England took part in robotics activities during 2005-6.

### Costs

There may be a charge (approximately £90) for entering teams into the competition.

### Further information

Visit [www.firstlegoleague.org](http://www.firstlegoleague.org)

## Arkwright Scholarships

Target group - Year 11

This service addresses the following aspects of provision:

Work-related learning	Employability skills
Enterprise	Science, Technology, Engineering, Maths (STEM)
Core curriculum	Functional skills
Personal development	Applied learning (eg. 14-19 Diplomas)

### Outline of the service

The Arkwright Scholarship Scheme encourages a beneficial partnership between schools/colleges and engineering companies to promote Design and Technology in schools/colleges, leading to careers in Engineering.

Students apply to become Arkwright Scholars and undergo a selection process which includes a comprehensive application, examination and interview. Scholars are linked with sponsors of the scheme for two years and have close contact with their sponsor company over this time.

### Costs

There is no cost to apply to the scheme.

### For further information

Visit [www.arkwright.org.uk](http://www.arkwright.org.uk)

## The BA CREST Awards

Target groups - Key Stages 3, 4 and post 16

This service addresses the following aspects of provision:

Work-related learning	Employability skills
Enterprise	Science, Technology, Engineering, Maths (STEM)
Core curriculum	Functional skills
Personal development	Applied learning (eg. 14-19 Diplomas)

### Outline of the service

CREST is a national accreditation scheme to recognise and stimulate student achievement in science and technology, both curricular and extra-curricular.

Schools/colleges run practical projects during the taught curriculum or after lessons. Awards can be made at three levels.

- The Bronze Award is typically undertaken by students at Key Stage 3 and is assessed by the teacher in school. Approximately 10 hours of study.
- The Silver Award is typically undertaken by students at Key Stage 4 and is assessed by Wessex SETPOINT. Approximately 40 hours of study.
- The Gold Award is typically undertaken by post 16 students, involving a mentor from industry or higher education and is assessed by Wessex SETPOINT. Approximately 100 hours of study.

### Take-up

237 young people from the West of England received CREST awards in 2005-6.

### Costs

The registration fees are:

CREST Bronze Award	£4 per student
CREST Silver Award	£8 per student
CREST Gold Award	£15 per student.

### For further information.

Visit [www.the-ba.net/the-ba/YPP/BACRESTAwards/index.html](http://www.the-ba.net/the-ba/YPP/BACRESTAwards/index.html)

## Bath Taps Into Science

Target groups - Key Stage 2 to Post 16

This service addresses the following aspects of provision:

Work-related learning	Employability skills
Enterprise	Science, Technology, Engineering, Maths (STEM)
Core curriculum	Functional skills
Personal development	

### Outline of the service

To increase students' enthusiasm for the Science curriculum and their awareness of the vital contribution that these subjects make to society.

This is a weekend event for schools/colleges and the public, held in an open marketplace in Bath as part of National Science Week which encourages 'hands on' participation in science.

Wessex SETPOINT contributes to the event, which is organised by the Mathematics Department of the University of Bath.

### Costs

There is no cost for taking part in Baths Taps into Science.

### For further information

Visit [www.bath.ac.uk/math-sci/news/bath%20taps%20into%20science.htm](http://www.bath.ac.uk/math-sci/news/bath%20taps%20into%20science.htm)

## K'nex Challenge

Target group - Key Stage 2

This service addresses the following aspects of provision:

Work-related learning	Employability skills
Enterprise	Science, Technology, Engineering, Maths (STEM)
Core curriculum	Personal development

### Outline of the competition.

Participating schools receive a K'Nex kit from a Science and Engineering Ambassador who visits the school to talk about engineering with the pupils, introduce the challenge and show how the kit is assembled. A challenge is designed and organised by Science and Engineering Ambassadors (see separate entry).

Two children from each participating school attend a local heat to test their creative and construction skills against teams from other schools.

Teams from the local heats are invited to the Wessex SETPOINT regional final which is normally held in May/June. The winning teams from each county go on to a South West Regional Final. The regional winners go forward to the national final.

All competing schools keep their K'Nex kits.

### Costs

Entry to the competition is free of charge.

### For further information

Visit [www.youngeng.org](http://www.youngeng.org)

## Innovation Awards in Science and Technology

**Target groups** - Key Stages 3 & 4

**This service addresses the following aspects of provision:**

Work-related learning	Employability skills
Enterprise	Science, Technology, Engineering, Maths (STEM)
Core curriculum	Functional skills
Personal development	

### Outline of the competition

Wessex SETPOINT issues three sets of challenges (in Science, Design and Technology and ICT) in early September. Each year teaching staff and students develop projects either during curriculum time or as an out of school/college activity and present this work to expert judges at the University of Bath during a day in National Science Week (March).

There are cash prizes, and projects are judged according to criteria such as research, development, innovation, teamwork and presentation.

All entries are registered for CREST Awards, at no cost to the school/college or student, and some of the projects are invited to the CREST National Finals (see separate entry for CREST Awards).

### Take-up

43 young people from the West of England received innovation awards in 2005-6.

### Costs

Entry to the competition is free of charge.

## Nuffield Science Bursaries

**Target group** - Post 16

**This service addresses the following aspects of provision:**

Work-related learning	Employability skills
Enterprise	Science, Technology, Engineering, Maths (STEM)
Core curriculum	Functional skills
Personal development (including Careers Education and Guidance)	Applied learning (eg. 14-19 Diplomas)

### Outline of the service

Bursaries offer students opportunities to work alongside professional researchers and engineers on real life research and development projects that contribute to the work of the host organisation.

Applications are invited from Year 12 students who have an interest in Science and Technology. Successful applicants undertake a placement in a research or technology organisation and are granted a bursary of up to £420. The placement may be found by the student, their school/college or the regional co-ordinator, Wessex SETPOINT.

Students produce a brief report on their work and attend a celebration later in the year. Students from the Education Business Group West of England region have worked on cornea transplants, chemical engineering projects, animal habitats and behaviour, environmental analysis and design projects, etc.

Some students use the opportunity to achieve a Gold CREST Award (see separate entry).

### Take-up

Five young people from the West of England received Nuffield Bursaries in 2005-6.

### For further information

Visit the Nuffield Foundation website at [www.nuffieldfoundation.org](http://www.nuffieldfoundation.org)

## Problem-Solving

Target groups - Key Stages 1, 2, 3 & 4 and post 16.

This service addresses the following aspects of provision:

Work-related learning	Employability skills
Enterprise	Science, Technology, Engineering, Maths (STEM)
Core curriculum	Functional skills
Personal development	

### Outline of the service

Technology Problem Solving days are offered through Wessex SETPOINT to interested schools/colleges. Students undertake a range of hands-on problem-solving activities using equipment and consumable materials provided.

Problems have an industrial context and include:

- Safe Landing – The challenge is to drop an egg from a height and prevent it from breaking on impact. Using a list of materials students must design their ideas and record the cost of their prototype.
- Car body design and Streamlining – Students design and shape a foam block into a sports car. They then test their designs in a wind tunnel and record the results.
- Self-righting buoy – Set within a context of a sea search and rescue mission, students have to design and make a self-righting buoy.
- Wind Turbine – A topical activity related to the world’s power crisis. Students design and build a wind turbine and record the power output produced.
- Paper Structures – A fun activity that can involve large groups working together to build a structure. A great team building exercise.
- Cookery Countdown – Students are given a selection of base ingredients and a selection of recipes. They will record the cost and nutritional value of their meals.

Other activities are: Flying High, Shock Box, Lifting the Matthew, Road Bridge, Mobile Phone Mast and Radar Tower.

#### Take-up

240 young people from the West of England took part in this activity during 2005-6.

#### Costs

There is usually a charge for these days. Please contact SETPOINT for further details.

## Robotics Days

Target groups - Key stages 2, 3 & 4

This service addresses the following aspects of provision:

Work-related learning	Employability skills
Enterprise	Science, Technology, Engineering, Maths (STEM)
Core curriculum	Functional skills
Personal development	

### Outline of the service

Robotics Days are offered through Wessex SETPOINT to interested schools/colleges. Students build robots using Lego Mindstorms RCX or NXT versions. Robots are built using a challenging instruction manual which tests students’ ability to follow instructions accurately. With equipment and software provided by Wessex SETPOINT teams programme these robots to carry out specified missions on a mat with a real life scenario. Students use the provided laptops to build flow chart style programmes which they then download to the robot.

The students then attempt to complete missions on a mat which can have one of the following themes:

- Mission to Mars
- No Limits (Disabilities)
- Ocean Odyssey
- Nano Quest
- Arctic Impact.

Students will gain teamwork skills, as well as ICT and mathematic skills.

Science and Engineering Ambassadors provide support during the activity: some of these are students from the University of Bath.

#### Take-up

1,077 young people from the West of England took part in robotics activities during 2005-6.

#### Costs

There is usually a charge for these days. Please contact SETPOINT for further details.

## Science and Engineering Ambassadors

**Target groups** - Key Stages 1, 2, 3 & 4 and post 16

**This service addresses the following aspects of provision:**

Work-related learning	Employability skills
Enterprise	Science, Technology, Engineering, Maths (STEM)
Core curriculum	Functional skills
Personal development (including Careers Education and Guidance)	Applied learning (eg. 14-19 Diplomas)

### Outline of the service

Ambassadors are volunteers with skills in science, technology, engineering or mathematics, and an interest in supporting young people in schools/colleges.

Each Ambassador will have undergone induction training and have a satisfactory disclosure from the CRB to comply with the Protection of Children Act 1998.

Each accredited Ambassador has an ID and photocard.

The most important attribute for an Ambassador is to be able to communicate and enthuse young people about science, engineering, technology and mathematics.

Wessex SETPOINT operates a database of accredited volunteers.

### Costs

The Science and Engineering Ambassadors Scheme is free of charge.

### Contact

SETPOINT with requests for specific one-off activities.

### For further information

Visit [www.seasinfo.org.uk](http://www.seasinfo.org.uk)

## Stimulating Science (Science Days)

**Target groups** - Key stages 1, 2, 3 & 4 and post 16

**This service addresses the following aspects of provision:**

Work-related learning	Employability skills
Enterprise	Science, Technology, Engineering, Maths (STEM)
Core curriculum	Functional skills
Personal development (including Careers Education and Guidance)	Applied learning (eg. 14-19 Diplomas)

### Outline of the service

Science Days are offered through Wessex SETPOINT to interested schools/colleges. Students undertake a range of hands-on activities using equipment and consumable material provided by Wessex SETPOINT. Science and Engineering Ambassadors provide support during the activity (see separate entry).

Science activities include:

- Red Cabbage – A hands on experiment where students test pH levels of different everyday solutions.
- Brain Games – Fun activities that show how the brain works.
- Who dun it? - This science activity introduces students to Forensics Science with a fun and exciting crime to be solved.
- Other Activities – Cookery Countdown, Illuminating light, Slime, Push and Pull Forces, Sight and Sound.

### Take-up

510 young people from the West of England took part in this activity during 2005-6.

### Costs

Schools/colleges are asked to make a nominal contribution towards the cost of consumable materials.

## Employability Skills

Target groups - Key Stages 3 & 4

This service addresses the following aspects of provision:

Work-related learning	Employability skills
Enterprise	Science, Technology, Engineering, Maths (STEM)
Core curriculum	Functional skills
Personal development	

### Outline of the service

This programme aims to develop a range of employability skills that are used by project teams in industry. These include: problem solving, communication, IT and teamwork. Major student development targets of the programme are cooperation, collaboration, responsibility, decision making, risk taking, creativity, determination, perseverance, working under pressure to deadlines and within performance parameters.

The industrial context is emphasised throughout the programme and employers are engaged to illustrate this. Students engage in one-day team building and problem-solving activities using robotics as the delivery mode. These activities involve students in allocation of roles, development and assembly of a robot, research of the context of the problem and a presentation.

### Costs

Please contact Wessex SETPOINT for further details.

## Girls can make it

Target group - Key Stage 3

This service addresses the following aspects of provision:

Work-related learning	Employability skills
Enterprise	Science, Technology, Engineering, Maths (STEM)
Core curriculum	Functional skills
Personal development (including Careers Education and Guidance)	

### Outline of the service

This is a one-day event for girls only, aimed at enthusing and encouraging more girls to consider careers in science and engineering. Teams are given a challenge that involves multiple tasks. Each team allocates roles to its members.

The day culminates in a presentation by each team and includes research findings, marketing/selling, design and build decisions, and reflections.

### Costs

Please contact Wessex SETPOINT for further details.

## Appliance of Science

Target groups - Key Stages 2, 3 & 4

This service addresses the following aspects of provision:

Work-related learning	Employability skills
Enterprise	Science, Technology, Engineering, Maths (STEM)
Core curriculum	Functional skills
Personal development (including Careers Education and Guidance)	Applied learning (eg. 14-19 Diplomas)

### Outline of the service

These are days where local scientists and engineers go into primary and secondary schools and colleges to give workshops on their professional application of science and technology, for example, liquid crystals, night vision goggles, muscle stimulation.

### Costs

Please contact Wessex SETPOINT for further details.

## Trident - from Edexcel

Target groups - Key Stage 4 and post 16

This service addresses the following aspects of provisions:

Employability skills	Personal development (including IAGS/CEG)
Enterprise	Work-related learning
Citizenship	Functional skills

**Trident from Edexcel is the UK's largest national provider of work experience for students aged 14-16 years.**

Trident:

- works with students of all abilities
- offers tailor-made packages for children at risk.
- supports parents.

Trident's aim for all young people is to:

- enable them to improve their employability and enterprise skills
- help them to develop as individuals
- show them the value of contributing to society, and show society the importance of their contribution and continued participation.

Trident collaborates with Connexions West of England in its business partnerships, and in the West of England area manages a database of around 15,000 businesses on behalf of the Education Business Group West of England.

Trident is available to discuss the services and products listed below and can train school/college staff to deliver activities, or deliver them directly.

### Contact

*Julie Hall* – Trident Western Counties Manager

Tel: 01249 701 717

Fax: 01219 715 218

Email: [julie.hall@wpdc.demon.co.uk](mailto:julie.hall@wpdc.demon.co.uk)

Web: [www.trident-edexcel.co.uk](http://www.trident-edexcel.co.uk)

## Outline of Trident products and services

### Employability Programme

This is a progressive programme of Employability Preparation for young people at KS4. The course is practical rather than academic, and is relevant to students of all abilities but particularly useful for students undertaking Extended Work Experience. It contains 13 units and is designed to run for 50 hours.

The Trainers' Package is a set of course materials to support the delivery of the programme.

### Accreditation available

The Employability Programme can lead to accreditation by ASDAN and OCR.

### Take-up

Eight teaching staff from the West of England area were trained in the programme during 2005-6.

### SIMENT Learning Experience (SIMulation ENTERprise Learning Experience)

This service aims to develop young people's employability and enterprise skills, with a particular focus on communication, working with others, and problem-solving.

Key Stage 4 students build a kit car in small groups. A member of staff from Trident acts as facilitator. Visitors from business assist the students in the construction process and advise students about skills and attributes that employers look for in new employees.

Introductory session – classroom-based, looking at qualities required for employment. This is led by tutors with support from the visitors and, where possible, the school's/college's own students (post-16).

Main session – takes place in a large space in groups of 8-10 students. This is led by a staff member from Trident. The construction cars are introduced and team building activities undertaken.

The time required is normally half a day, but this a very flexible challenge and can be adapted to suit a school's/college's needs.

### Accreditation available

SIMENT supports Applied Business GCSE, basic skills programmes and ASDAN qualifications. It also contributes to Trident's Skills for Life programme.

### Take-up

50 young people from the West of England area took part in SIMENT during 2005-6.

## Other products and services

The following resources are available to order:

### Employment Activator

The resource incorporates three elements:

- a recording/preparation section for personal feedback and target setting.
- an administration section for managing a safe work placement
- an accreditation section that provides structured activities and all the necessary forms for Entry Level 3/Level 1/Level 2 accreditation through the OCR Certificate in 'Preparation for Employment'.

The resource is relevant to students of all abilities but particularly useful for students undertaking Extended Work Experience.

### Work Experience Record Books

Resource for use in preparing students to go out on placement. Provides visual representation of do's and don'ts including useful information using Tommy Trident illustrations.

### Tommy Trident - SEN Poster Pack

Information resource for use in preparing students to go out on placement Provides visual representation of Work Experience preparation information using Tommy Trident Cartoons.

### Portfolio of Work Experience Projects

Each resource contains between 30-60 curriculum linked projects, designed by teachers and employers, to be carried out during work experience.

### BTEC Activator

This resource is endorsed by Edexcel for use with their BTEC National qualifications.

It provides ready-made assignments to students in order for them to achieve unit outcomes of their BTEC Firsts within a work experience setting.

It is available to support the following Level 2 BTEC Firsts:

- IT Practitioners
- Health and Social Care
- Retail
- Performing Arts

### Health & Safety Preparation

visit [www.placementsurvivalguide.com](http://www.placementsurvivalguide.com)

Other resources include:

- Enterprise Portfolio
- Tommy Trident SEN Work Experience Diary
- Tommy Trident SEN Health & Safety Booklet
- Personal Challenge & Community Involvement Record Books
- Building Skills for Life Teachers' Pack
- Health & Social Care Portfolio of Projects
- Active Learning Plans

## The WISE Campaign

### Women Into Science, Engineering & Construction

**Target group** - Girls at school or college

The WISE vision – most young women understanding science and engineering, and many choosing it as a career.

WISE is a UK wide campaign which supports a range of partners to ensure that girls really benefit from the large number of schemes that promote Science, Technology, Engineering, and Maths (STEM) or construction-related courses in school or college.

**This service addresses the following aspects of provision:**

Work-related learning	Employability skills
Enterprise	Science, Technology, Engineering, Maths (STEM)
Core curriculum	Personal development
Applied learning (including 14-19 Diplomas)	

WISE is funded by:

- SEMTA (The Sector Skills Council for Science, Engineering, Manufacturing and Technology)
- EEF (The Manufacturers’ Organisation)
- The Royal Academy of Engineering
- The Engineering and Technology Board (ETB)
- Construction Skills.

Web: [www.wisecampaign.org.uk](http://www.wisecampaign.org.uk)

#### Contact

*Terry Marsh* – Director  
 WISE (Women Into Science, Engineering and Construction)  
 6th Floor  
 10 Maltravers Street  
 London WC2R 3ER  
 Tel: 0207 557 6426  
 Fax: 0207 557 6496

## Outline of WISE products and services

### WISE Outlook

WISE Outlook is an established event template of three days FE college and industry experience for girls in year 9. The events are run by the colleges, bringing together a group of schools, and are funded by a small grant which is held and administered by the EEF (see separate entry for EEF Western).

### WISE directory

The WISE Directory lists all initiatives in the UK that support girls and women who study, work or wish to work in, Science, Engineering and Construction.

### WISE magazines and booklets

WISE publications range from magazines for girls (SPARK, A Girl Like You) to booklets for teachers/lecturers and parents (Engineering Equals).

### New products in development

#### WISE Day

A shorter version of the WISE Outlook event is being developed so that more schools and colleges can participate in a WISE Day without needing to be funded centrally.

This will include:

- top ten tips for success
- links to local industry via EEF (see entry for EEF Western)
- Science and Engineering Ambassador support from SETNET (see entry for Wessex SETPOINT).

#### Website

The website is under re-development in order to focus on girls of school age; it will include blogs, quizzes and role model videos.

## Work Experience

The aim of all experiences of work, and their supporting products and services, is to enable young people to experience at first hand the requirements of the work place while developing their Key and Employability skills.

**Target group** - Key Stage 4.

### Contact

*Samantha Budd* – Work Experience Manager  
Connexions West of England  
4 Colston Avenue  
Bristol BS1 4ST

Tel: 0117 907 4450

Fax: 0117 907 4518

Email: sbudd@connexionswest.org.uk

### For further information

There is an online portal for Work Experience in the West of England ([www.experiencesofwork.co.uk](http://www.experiencesofwork.co.uk))

This includes a young people's guided area for placement planning and searching.

### This service addresses the following aspects of provision:

Work-related learning	Enterprise
Personal development	Employability skills
Applied learning (eg. 14-19 Diplomas)	

### Outline of the service

In order to link placements more closely with students' other learning, Connexions West of England is developing a sector-based approach, including collaborative placements and encouraging greater flexibility in experiences of work.

- Suitable placements are identified, ideally 6-9 months in advance
- Detailed preparation for learning shortly before placement
- Institutions brief students on Health & Safety and expected behaviours at work
- Institutions monitor students' progress on placement and ensure a debrief of learning outcomes
- Institutions using Work Experience Log Books and/or Log Book Plus prepare for moderation. (See separate entry)

The Work Experience Manager, in conjunction with Trident from Edexcel, ensures that all placements are Health and Safety Approved, maintains a database of all safety-checked placements for use by institutions, and oversees the smooth running of Work Experience.

The time required is usually a block of five or ten days.

Extended placements can be up to three days a week and can last for several months.

Other Experience of Work includes visits to employers or occasional placements as part of BTEC, Applied GCSE, NVQ courses, etc.

Preparation and debrief can be done as part of CEG or other timetabled lessons as appropriate. The time to be allowed for this will vary according to each institution's needs.

### How the service contributes to young people's achievement, engagement, skills and progression

Successful work placements significantly increase motivation and self-esteem; develop key and employability skills; and help learning to be applied in work, community, home or personal contexts.

### Training/support available

An information portal for Work Experience in the West of England ([www.experiencesofwork.co.uk](http://www.experiencesofwork.co.uk))

Offering:

- guidelines for providing a good placement
- useful contacts and links, resources and examples of best practice
- advice about health and safety, inclusion and diversity
- newsletter
- access to the database of health and safety approved employers.

### Accreditation/certification available

Connexions Work Experience Log Book Certificate given by the institution and endorsed by the Learning and Skills Council (see separate entry).

### Take-up

Each year approximately 10,500 young people aged 14-16 from the West of England go on Work Experience.

## Extended Work Experience

**Target group** - Young people aged over 14.

### Outline of the service

Extended Work Experience is managed in essentially the same way other Work Experience (see separate entry), although Connexions West of England can take a more active role in identifying in providing support through a Personal Advisor. The aim is to enable young people to experience the requirements of the work place in greater depth.

An adult will be nominated in the young person's learning programme to oversee the work placement to help ensure a positive outcome for the placement.

A health and safety inspector must review the placement regularly according to the employer's risk banding. This work is contracted out to Trident from Edexcel.

A bank of subject-related tasks is available to link school work with activities on the placement (see separate entry for Work Experience Tasks).

Local Education Authorities recommend that an extended Work Experience should occupy no more than 40% of a young person's Accredited Learning Programme in Year 10. This could increase in Year 11 following a review of the individual student's needs, but should always leave sufficient time for the student to follow their agreed Accredited Learning Programme. Sufficient time should be allowed for pre-placement preparation and briefing, and for post-placement follow-up and debriefing.

### How the service contributes to student achievement, engagement, skills and progression

Extended Work Experience placements can:

- improve motivation and confidence
- help young people get the most out of work-related learning and participate in post-16 learning
- offer experience beyond school/college, and help learning to be applied in work, community, home or personal contexts
- develop key, enterprise and employability skills.

### Certification available

The minimum accreditation accessed through the programme should be Literacy, Numeracy and ICT. The accreditation needs to be appropriate to the learner and could be GCSE English, Maths and ICT; Key Skills in Communication, Application of Number and ICT; Basic Skills Certificate in Literacy, Numeracy and ICT or any other National Qualification Framework listed qualifications (see [www.qca.org.uk](http://www.qca.org.uk) and click on icon for NQF).

Formal recognition of the placement outcomes can be gained through the Connexions Work Experience Certificate, which can be used as evidence towards qualifications from Awarding Bodies e.g. ASDAN etc.

## Work Experience Tasks

**Target group** - Key Stage 4

### Outline of the product

The book of tasks aims to:

- link Work Experience with programmes of study for GCSE and Applied/Vocational GCSE courses
- encourage students to complete tasks of a more general nature related to the work place
- provide specific tasks for the retail sector.

Experience has shown that the tasks are better suited to students engaged on extended work experience placements rather than the one week block placement (see separate entries for Extended Work Experience and Work Experience).

A teacher/lecturer/tutor/mentor needs to support the young person in completing the task(s) chosen from the booklet.

All secondary schools across the Education Business Group West of England have been given the booklet.

### How the service contributes to young people's achievement, engagement, skills and progression

The product encourages students to show that they can use the work place as a source of information in order to complete their chosen task(s). It helps to link their learning in school/college to the world of work.

As part of a work-related learning programme the tasks can:

- directly support GCSEs and vocationally-related qualifications
- help young people get the most out of work-related learning
- offer experience beyond school/college and help learning to be applied in work, community, home or personal contexts
- increase participation in post-16 learning
- develop key and employability skills.

### Costs

Currently free to schools.

### Contact

*Hilary Truelove* – Employability Skills Implementation Manager  
Connexions West of England  
4 Colston Avenue  
Bristol BS1 4ST

Tel: 0117 907 4418

Fax: 0117 987 2661

Email: [htruelove@connexionswest.org.uk](mailto:htruelove@connexionswest.org.uk)

## Work Experience Certificate Log Book and Log Book Plus +

**Target group** - Key Stage 4 students on Work Experience

The Log Book Plus + is for students with special educational needs in either special (MLD, EBD), mainstream schools or colleges.

### Outline of the product

The log book aims to encourage students to:

- set their personal targets for work experience
- collect evidence to show their achievements
- focus explicitly on developing Key and Employability skills
- plan and review their learning from work experience.

Institutions register to use the materials and pay a small fee per log book and receive:

- Guides to implementation and collecting evidence, and written feedback following moderation by Connexions West of England
- Training for a delivery team and launches of the Log Books to students

The Log Book is best introduced a few weeks before work experience takes place. Students will need time to review their learning from work experience and to complete their log on return to school/college.

### How the product links with student achievement, attendance and inclusion

Successful use of the log book will:

- gain points on the NQF framework at Entry Level or Level 1 (see below)
- improve motivation and confidence by enabling students to show they can work to the level of a paid employee
- help young people get the most out of work-related learning
- help learning to be applied in work, community, home or personal contexts
- develop key and employability skills

### Take-up

8,000 young people use the Log Book each year in the West of England area.

### Accreditation/certification available

Following the moderation process, Connexions Work Experience Log Certificates can be awarded by the school/college and endorsed by Connexions West of England and the Learning and Skills Council.

A certificated Log can support qualifications accredited by ABC, AQA, ASDAN, EdExcel, and OCR at Entry Level and Level 1.

For example it earns 3 credits towards the ASDAN Certificate of Personal Effectiveness at Level 1.

Further details are on flyers which can be obtained from Connexions West of England.

### Costs

(Until September 2007) 75p per Log Book plus postage and packing and £1 per Log Book plus postage and packing for the Log Book Plus.

Moderation and certification are currently free.

### Contact

*Hilary Truelove* – Employability Skills Implementation Manager  
Connexions West of England  
4 Colston Avenue  
Bristol BS1 4ST

Tel: 0117 907 4418

Fax: 0117 987 2661

Email. [htruelove@connexionswest.org.uk](mailto:htruelove@connexionswest.org.uk)

## Young Enterprise

Young Enterprise aims to help young people develop the work and enterprise skills that are needed in the world of work and commerce.

### Contacts

*Kate Clark* – Regional Manager  
Young Enterprise South West

Tel: 01934 852 596 (07976 040 346)

Email: [kate.clark@yesw.org.uk](mailto:kate.clark@yesw.org.uk)

*Clare Polkinghorne* – Development Manager  
West of England

Tel: 0117 963 2700 (07966 455 236)

Email: [clare.polkinghorne@yesw.org.uk](mailto:clare.polkinghorne@yesw.org.uk)

*Will Priddle* – Programme Co-ordinator  
West of England

Tel: 07791 603 331

Email: [will.priddle@yesw.org.uk](mailto:will.priddle@yesw.org.uk)

### This service addresses the following aspects of provision:

Work-related learning	Citizenship
Enterprise	Employability skills
Functional skills	Personal development

## Company Programme

**Target groups** - Key Stage 4 and post-16

### Outline of the service

A school or college registers with the local Young Enterprise Board (singly or in collaboration) and nominates a link teacher/lecturer. Up to two volunteer business advisors from local companies act as mentors to each Young Enterprise company.

Students run their company for one academic year over two or three terms, normally in extra-curricular time. A weekly board meeting is held for one or two hours at a convenient time.

Advisors and link teaching staff attend a training session, at which they receive training materials and a file of resources for every participating student.

### Take-up

303 young people from the West of England area took part in the programme during 2005-6.

### Accreditation/certification available

An optional Young Enterprise Qualification certificated by OCR at level 1 or 2 (equivalent to a vocational GCSE). For further information visit [www.young-enterprise.org.uk/exam](http://www.young-enterprise.org.uk/exam)

At the end of the academic year, the Young Enterprise companies have the opportunity to enter a competition that runs at local, regional and national levels. Winners of the 'UK Company of the Year' prize are invited to compete in the European finals.

### For further information

Visit [www.young-enterprise.org.uk](http://www.young-enterprise.org.uk)

### Costs

The cost to schools or colleges is dependant on funding availability. A registration fee of £80 is also payable, to cover Young Enterprise insurance.

## Team Programme

**Target group** - Young people aged 15-19 who have learning difficulties and/or disabilities, or are disaffected with education.

### Outline of the service

A school or college registers with the local Young Enterprise Board, nominates a teacher/lecturer as education advisor and is put in contact with volunteer business advisors.

Students run their company for one or two academic years, supported by their teacher/lecturer and volunteer business advisors.

Schools and colleges can run the Team Programme singly or in collaboration. Young Enterprise companies have the opportunity to sell their products and market their services at local and national trade fairs. International trading is also possible through International Links, a free web service developed by Young Enterprise UK.

Before start-up, every Advisor attends a training session, and is issued with training materials to support their role, including the Team Programme Business Kit. The Kit contains a Director File of resources for every participating student.

### How the service contributes to young people's achievement, engagement, skills and progression.

Running a Team Programme company can:

- improve motivation and confidence
- help young people get the most out of work-related learning
- offer experience beyond school/college and help learning to be applied in work, community, home or personal contexts
- develop key, enterprise and employability skills, including the opportunity to demonstrate their potential to employers.

### Take-up

140 young people from the West of England area took part in the programme during 2005-6.

### Accreditation/certification available

An optional Young Enterprise Entry 3 certificate in Enterprise, certificated by OCR. For further information visit [www.young-enterprise.org.uk/exam](http://www.young-enterprise.org.uk/exam).

Students also complete a record of achievement and are awarded a certificate to mark completion of the Programme.

Participation can also contribute to formal qualifications, including:

- City and Guilds – Skill Power
- London Chamber of Commerce Access Certificate
- Duke of Edinburgh's Award Scheme
- ASDAN – Youth Award Scheme and Certificate of Personal Effectiveness
- NVQs and other vocationally related qualifications
- RSA – National Skills Profile
- Word Power/Number Power
- SCOTVEC – Skill Start
- Welsh Board Certificate of Education – Communication, Maths, IT.

### Costs

The cost to schools or colleges is dependant on funding availability. A registration fee of £80 is also payable to cover Young Enterprise insurance.

## Young Enterprise Masterclass

**Target groups** - KS3, KS4 & KS5

### Outline of Programme

Developing the entrepreneurial flair and potential of our young people is a key objective for Young Enterprise.

The Entrepreneurship Masterclass is a seminar that challenges students to think about business and their future careers, whether starting their own business or working for others.

The Masterclass aims to help students identify the key entrepreneurial attitudes and skills required when at work and when starting their own business. In addition they help students to understand the main issues and practicalities of starting their own business – for example: who to approach concerning financial matters, who to approach for help and advice.

The Entrepreneurship Masterclass offers an exciting programme designed to meet the needs of our future employees and entrepreneurs. The session includes fun and interactive workshop sessions to help students think about and rehearse responses to the themes, ideas and obstacles associated with being entrepreneurial. There may be presentation from local businesses, during which students have the opportunity to ask questions and seek advice.

Through participating in a Masterclass students gain:

- an understanding from experts of what is involved in setting up their own business;
- knowledge of the technical process of setting up a business from the experience of others who have become today's entrepreneurs;
- an understanding of the need of related experiences before becoming tomorrow's entrepreneurs
- inspiration, enthusiasm and vision.

### How the service contributes to young people's achievement, engagement, skills and progression

By participating in Masterclass, young people can:

- enhance their learning in PSHE, Citizenship and GCSEs (including subjects such as Applied Business, Leisure and Tourism, Geography)
- improve motivation and confidence
- get the most out of work-related learning and participate in post-16 learning
- gain experience beyond school/college and help to apply their learning in work, community, home or personal contexts
- develop key, enterprise and employability skills.

### Take-up

2,087 young people from the West of England area took part in the programme during 2005-6.

### Costs

The cost to schools or colleges is dependant on funding availability.

## Young Enterprise Personal Economics

**Target groups** - KS3, KS4 & KS5

### Outline of Programme

The Personal Economics programme is run over five one-hour sessions.

It aims to:

- raise students' awareness of their individual qualities and attributes
- build their self-esteem
- assist students with job-hunting, interviews and completing application forms
- provide them with an understanding of personal and family budgets.

The programme is presented in five one-hour sessions. These sessions can be delivered over a series of weeks or as a one or two day event.

Session 1 - Programme Introduction & Marketing Yourself

Session 2 - Identifying Your Skills and Interests

Session 3 - Job Opportunities

Session 4 - Job Interviews

Session 5 - Personal budgeting.

### How the programme links with student achievement

The Personal Economics programme helps students to build a bridge between school/college and the business world, to develop key skills and positive attitudes, to review their potential career choices and to gain an understanding of how they can contribute their skills to the job market.

By taking part young people can develop:

- increased awareness of career progression;
- an understanding of the importance of personal financial management and savings;
- Key and Employability Skills such as problem-solving and working with others;
- enterprise capability.

### Take-up

490 young people from the West of England area took part in the programme during 2005-6.

### Costs

The cost to schools or colleges is dependent on funding availability.

## Young Enterprise Project Business

**Target groups** - KS3 & KS4

### Outline of the programme

A school/college registers with the local Young Enterprise Board, nominates a teacher/lecturer partner, and is put in contact with a volunteer business partner.

The teacher/lecturer and business partners attend an introduction and training session, followed by reciprocal visits to plan delivery. Young Enterprise supplies partners' manuals containing detailed session plans and student workbooks.

The teacher/lecturer and business partner present six one-hour weekly sessions in curriculum time. The programme can be run over six weeks, as part of an enrichment week or as a two-day seminar.

The sessions give hands-on, practical introductions to a wide range of topics relating to how businesses interact with investors, customers, employees, and society in general.

Session 1: Why do we need business?

Session 2: Business and Investors

Session 3: Business and Customers

Session 4: Business and Employees

Session 5: Business and Society

Session 6: Business under the Spotlight.

### How the service contributes to young people's achievement, engagement, skills and progression

By participating in Project Business, young people can:

- enhance their learning in PSHE, Citizenship and GCSEs (including subjects such as Applied Business, Leisure and Tourism, Geography)
- improve motivation and confidence
- get the most out of work-related learning and participate in post-16 learning
- gain experience beyond school/college and help in applying their learning in work, community, home or personal contexts
- develop key, enterprise and employability skills.

### Take-up

514 young people from the West of England area took part in the programme during 2005-6.

### Costs

The cost to schools/colleges is dependent on funding availability.

## Young Enterprise Learn to Earn

**Target groups** - Key Stage 3 or 4.

### Outline of the programme

A practical activity-based programme designed to develop young people's financial capability by creating budgets and experiencing the realities and costs of living and working life.

A school/college registers with the local Young Enterprise Board, nominates a teacher/lecturer partner, and is put in contact with a volunteer business partner. The teacher/lecturer and business partner present six one-hour weekly sessions in curriculum time. The programme can be run over six weeks, or as a one-day seminar.

### How the service contributes to young people's achievement, engagement, skills and progression

All Young Enterprise activities are well suited to supporting the GCSE in Applied Business. Students can also gain points on the National Qualifications Framework through an optional Young Enterprise Qualification certificated by OCR (Oxford Cambridge RSA) at level 1 or 2 (equivalent to a vocational GCSE).

For further information visit [www.young-enterprise.org.uk/exam](http://www.young-enterprise.org.uk/exam)

Participation in Learn to Earn can:

- support the PSHE Curriculum
- improve motivation and confidence
- help young people get the most out of work-related learning
- offer experience beyond school/college and help learning to be applied in work, community, home or personal contexts
- help young people explore progression opportunities
- develop key, enterprise and employability skills.

### Take-up

207 young people from the West of England area took part in the programme during 2005-6.

### Costs

The cost to schools/colleges is dependent on funding availability.

## Young Enterprise – Enterprise in Action

**Target Group** - KS3 & KS4

### Outline of the programme

A school or college registers with the local Young Enterprise Board, nominates a teacher/lecturer partner, and is put in contact with a volunteer business partner. The teacher/lecturer and business partner attend an introduction and training session, if possible followed by reciprocal visits to plan delivery. Young Enterprise supplies partners' manuals containing detailed session plans and student workbooks.

After an initial training session, the programme is split into seven parts:

Part 1. What does it mean to be enterprising?

Part 2. Creative thinking & planning

Part 3. Customer focus, research & design

Part 4. Costing, pricing & quality

Part 5. Building the product prototype model

Part 6. Advertising & promotion

Part 7. Review & competition.

The sessions are linked to the Enterprise in Action website and students return to the site at the end of each session to update their company's on-line record of progress. They also receive from the site information and clues that are specific to their company, and which can be used to help them in the next session.

### How the programme links with student achievement

Through taking part in Enterprise in Action young people can gain:

- increased confidence and self esteem;
- improved social skills;
- an understanding of how a business operates;
- Key and Employability Skills such as problem-solving and working with others;
- enterprise capability.

### Take-up

201 young people from the West of England area took part in the programme during 2005-6.

### Costs

The cost to schools/colleges is dependent on funding availability.

## Young Enterprise Primary Programme

**Target groups** - Key Stages 1 and 2

### Outline of the service

A school registers with the local Young Enterprise Board, nominates a teacher partner, and is put in contact with a volunteer business partner. The teacher and business partners attend an introduction and training session before planning the delivery of the programme.

Participating teachers form lasting partnerships with the business community and gain an enhanced knowledge and experience of business.

There are six modules, one for each year of Primary education, each of which is run over five one-hour weekly sessions, covering:

- Ourselves
- Our Families
- Our Community
- Our City
- Our Nation
- Our World.

There is an evaluation opportunity at the end of the fifth session of each module, which may include a visit to their community volunteers' place of work.

### How the service contributes to young people's achievement, engagement, skills and progression

The programme supplements the National Curriculum, linking literacy, Citizenship and PSHE to the world outside school.

All Young Enterprise projects can:

- improve motivation and confidence
- help young people get the most out of work-related learning
- offer experience beyond school and help learning to be applied in work, community, home or personal contexts
- develop key, enterprise and employability skills.

### Costs

The cost to schools is dependant on funding availability.

## Links with industry to support Applied, Vocational and Work-related learning

Some sectors of employment are developing a range of support for learning in areas of the curriculum that are linked to their work. This is partly provided by employers themselves and partly by the relevant Sector Skills Councils.

The Sector Skills Councils are also taking a leading role in the development of the 14-19 Specialised Diplomas, which are currently the central innovation in applied and work-related learning.

This section is arranged for convenience in terms of the 14 Diploma headings, though these are being phased in over the next four years and the subjects are receiving varying levels of support from the relevant sectors of industry.

At present the DfES is holding a consultation into the potential value of a 15th Diploma, in Science.

In each entry you will find contact details for the current information and any support services being offered.

## Local networks to support the first five Diploma subjects

(Construction & the Built Environment, Creative & Media, Engineering, IT, Society, Health & Development – all being offered from 2008)

The West of England has set up networks to support the development of the first five Diplomas being offered in 2008. The networks include representatives from schools, colleges, employers and Sector Skills Councils, and their inaugural meetings have addressed the key issues facing education providers and businesses in preparing for the Diplomas. Key general conclusions are listed overleaf.

Subject-specific issues are listed under the appropriate Diploma heading:

- Construction & the Built Environment – page 68
- Creative & Media – page 70
- Engineering – page 72
- ICT – page 75
- Society, Health & Development – page 80.

The Diploma networks are open to teachers, lecturers and representatives from industry in Bath and North-East Somerset, Bristol, North Somerset and South Gloucestershire.

**For further information, or to join a meeting, please contact either:**

*Pam Hayes* – 14-19 Vocational Adviser in South Gloucestershire

Email: [pam.hayes@southglos.gov.uk](mailto:pam.hayes@southglos.gov.uk)

Tel: 01454 868661

or

*Jo Adlam* – 14-19 Area Partnership Facilitator in Bristol

Email: [jo.adlam@bristol.gov.uk](mailto:jo.adlam@bristol.gov.uk)

Tel: 0117 377 3245

**Common themes arising at all of these network meetings were:**

- Delivery staff need appropriate qualifications and experience
- Need for better school/employer relationships and CPD experiences in industry linked to work-related learning
- Common vocabulary necessary between everyone
- IAGS (Information, Advice, Guidance and Support) and marketing for education providers, employers, parents/carers and young people
- Clarity of assessment and quality standards across all sectors
- Need to meet the diploma work experience criteria – complex CRB (Criminal Records Bureau – police check) and H&S checks needed
- Quality work experience placements
- Learner support needs identified to develop maturity/employability skills
- Clear progression routes to be developed between diplomas and other pathways for employers and HEI (Higher Education Institute) to understand and endorse
- Access, including logistic problems in moving learners and specialist tutors between sites
- Whole school community support needs for delivery
- Timetabling issues across partnerships
- Consistency in discipline across learning provider sites
- Greater collaboration in partnerships e.g. quality assurance.

## Business Administration & Finance

(Specialised Diploma to be offered from 2009)

### Further information

A dedicated website has been set up. Visit [www.baf-diploma.org.uk](http://www.baf-diploma.org.uk) for latest information on developments, and to register for updates and consultations.

### Contact

The contact at the relevant Sector Skills Council is:

*Heather Taylor* – 14-19 Diploma Development Manager  
Financial Services Skills Council

51 Gresham Street

London

EC2V 7HQ

Tel: 020 7216 7604

Email: [heather.taylor@fssc.org.uk](mailto:heather.taylor@fssc.org.uk)

## Construction & the Built Environment

(Specialised Diploma to be offered from 2008)

### Further information

A dedicated website has been set up.

Visit [www.cbdiploma.co.uk](http://www.cbdiploma.co.uk) for latest information on developments, and to register for updates and consultations.

ConstructionSkills is the Sector Skills Council for Construction.

### Contact

For information about using construction as a context for learning, contact the South West Education Team on 01392 440612 or visit [www.bconstructive.co.uk](http://www.bconstructive.co.uk)

The WISE Campaign supports the promotion of careers in construction for girls and women. For details about its products and services see separate entry on pages 46-47.

### Key issues identified the first meeting of the West of England network to support the Diploma in Construction & the Built Environment (summer 2006)

- Are other construction qualifications being made available? (Yes, the DfES realises that BTEC, for example, remains a very valuable set of qualifications, and a good model. Apprenticeship schemes will also continue to be a the centre of effective provision.)
- Can we use practical projects run through charity providers to deliver work experience placements?
- Need for funding to support high cost delivery of this area – facilities and materials
- Radical timetabling change needed to allow large blocks of time for delivering practical craft skills
- Diplomas versus Apprenticeships – which is preferable to employers and Higher Education?
- Applications for Apprenticeships currently exceed demand – need government and LSC (Learning and Skills Council)/Connexions support
- Construction is a very generic term for breadth of craft skills covered
- CITB (Construction Industry Training Board)/CBI (Confederation of British Industry)/ employers need to be onboard with an obligatory social clause in all construction contracts to encourage and train new recruits into the industry from the local community.

## Creative & Media

(Specialised Diploma to be offered from 2008)

Three Sector Skills Councils are collaborating on the development of this Diploma:

- Skillset (for audio and visual media)
- Creative and Cultural Skills (for the arts and heritage industries)
- Skillfast-UK (for footwear, textiles and apparel design and manufacturing).

Visit the following websites for news of developments:

[www.skillset.org/qualifications/diploma](http://www.skillset.org/qualifications/diploma)

[www.ccskills.org.uk/work/index.asp](http://www.ccskills.org.uk/work/index.asp)

Teaching ideas and resources associated with the footwear, textiles and apparel industries are available online at [www.fabricadabra.co.uk](http://www.fabricadabra.co.uk)

### Contact

The local contact at Skillset is:

*Corrina Fowler* – South West Regional Manager  
Skillset  
c/o South West Screen  
St Bartholomews  
Lewins Mead  
Bristol BS1 5BT

Tel: 0117 952 9987  
Mob: 07956 907 856  
Fax: 0117 952 9988

Email: [corrinaf@skillset.org](mailto:corrinaf@skillset.org)

### Key issues identified at the first meeting of the West of England network to support the Creative & Media Diploma (summer 2006)

- There are a small number of specialist training providers, e.g. Circomedia: how to help them engage?
- Issues around different working conditions in schools and FE
- Raising awareness in institutions and schools
- The specialist nature of this sector lends itself to residential curriculum opportunities
- Implications of change of government – will it have an impact on developments?
- What is being done to engage employers? Are there key employers who could act as champions/consultants?
- Who will coordinate the network?
- Need to ensure HE fully understands and endorse new qualifications and supports them
- Essential not to re-brand existing qualifications but to incorporate project based applied learning taught on modular basis
- Bring diplomas to attention of all employers to highlight need for collaboration
- Lack of sector standards in creative and art industries could affect quality.

## Engineering

(Specialised Diploma to be offered from 2008)

### Further information

A dedicated website has been set up. Visit [www.engineeringdiploma.com](http://www.engineeringdiploma.com) for latest information on developments, and to register for updates and consultations.

### Contact

The contact at the relevant Sector Skills Council is:

*Joanne Kelly* – Administration Assistant  
SEMTA Operations Department  
Wynyard Park House  
Wynyard Park  
Billingham  
TS22 5TB

Tel: 01740 627 021

Fax: 01740 644 799

Practical activities to support learning in Engineering are provided locally by Wessex SETPOINT – for further details, see separate entry.

Other supporting agencies include:

The Occupational Standards Council for Engineering (OSCENG)  
Shieling House  
Invincible Road  
Farnborough  
Hampshire  
GU14 7QU

### Contact

Tim Feest

Tel: 01252 371 022

Fax: 01252 371 099

Email: [tim@osceng.co.uk](mailto:tim@osceng.co.uk)

The WISE Campaign supports the promotion of careers in construction for girls and women. For details about its products and services see separate entry on pages 46-47.

### Key issues identified at the first meeting of the West of England network to support the Engineering Diploma (summer 2006)

- Area Prospectus developments need to be across four Local Authorities
- Technology expanding – learners using mobile technology (phone, i-pod, MP3) which may be better medium for IAGS
- Recognise opportunities for engineering in other curriculum areas: e.g. set design in performing arts
- Ensure accreditation and assessment where engineering occurs elsewhere is recorded
- Take account of developments elsewhere in the UK
- Entry level qualifications needed to enable more progression routes
- Relationship between diplomas and Apprenticeships
- Extended project difficult to plan without detail
- Will there be equal funding for all secondary, special schools and PRUs (Pupil Referral Units) to deliver diplomas?
- Where do Functional Skills fit in?
- Level 1 specification will not inspire learners
- What will happen to current vocational offers at level 1?
- Engineering – technical versus craft skills – very broad area
- Higher Education need to endorse and understand the level 3 diploma. Why should learners not prefer the academic pathway?
- Use charity and voluntary provider to support work experience placements provision
- Diplomas are seen to be led by main institutions – how will groups outside of those be integrated into the delivery?

For more information on Apprenticeships (earning whilst you learn), including the qualifications you will need and can get, and career opportunities available, visit [www.apprenticeships.org.uk](http://www.apprenticeships.org.uk) and [www.apprentices.co.uk](http://www.apprentices.co.uk). Careers information is also available from [www.semta.org.uk](http://www.semta.org.uk) (careers page) and [www.scenta.co.uk](http://www.scenta.co.uk).

## Hair & Beauty

(Specialised Diploma to be offered from 2009)

Habia is the organisation responsible for development of the Diploma.

Habia  
Oxford House  
Sixth Avenue  
Sky Business Park  
Robin Hood Airport  
Doncaster DN9 3GG

Tel: 0845 2 306 080

Fax: 01302 774 949

Email: [info@habia.org](mailto:info@habia.org)

Habia is the government approved standards-setting body for hair, beauty, nails, spa therapy, barbering and African-Caribbean hair, and creates the standards that form the basis of all qualifications including NVQs, SVQs and Apprenticeships, as well as codes of practice.

Habia provides guidance on careers, business development, legislation, salon safety, equal opportunities, and is responsible to government on industry issues such as training and skills.

For information about the proposed content of the Diploma at Levels 1, 2 and 3, and to take part in the national consultation on the development of the Diploma, visit [www.habia.org](http://www.habia.org)

## Health and Social Care

This Diploma has been renamed Society, Health & Development (see page 78).

## Hospitality & Catering

(Specialised Diploma to be offered from 2009)

People 1st is the Sector Skills Council managing the development of this Diploma.

Draft specifications for Levels 1, 2 and 3 can be seen by visiting

[www.people1st.co.uk/14-19-diplomas](http://www.people1st.co.uk/14-19-diplomas)

The site will also have a blog for registering views and comments, sharing information, or getting in contact with potential consortia members in order to be involved in delivery of the Diploma.

The Gateway process for submitting to offer this Diploma from September 2009 will be happening in late autumn 2007.

Consultations with employers and education providers are taking place, and first results can also be seen on the website.

The Tourism Task Force no longer works directly with schools, but for information about careers and training in the hospitality industry.

### Contact

*Lizzy Pratt* – West of England Co-ordinator

Tourism Skills Network South West

2nd Floor Royal Oak House

Royal Oak Avenue

Bristol BS1 4GB

Tel: 01275 370 915

Email: [lizzy.pratt@tsnsw.org.uk](mailto:lizzy.pratt@tsnsw.org.uk)

Web: [www.tourismskillsnetwork.org.uk](http://www.tourismskillsnetwork.org.uk)

## ICT

(Specialised Diploma to be offered from 2008)

A West of England ICT Diploma network has been set up. To receive information about its initial meetings, contact *Pam Hayes* or *Jo Adlam* as indicated on page 64.

Information about the Diploma can be found at [www.e-skills.com/itdiploma](http://www.e-skills.com/itdiploma)

The relevant Sector Skills Council is:

e-skills UK

The Sector Skills Council for IT & Telecoms

1 Castle Lane

London SW1E 6DR

*Caralyn Banham* manages support for careers at e-skills UK.

Tel: 020 7963 8956

Email: [caralyn.banham@e-skills.com](mailto:caralyn.banham@e-skills.com)

The careers website at [www.e-skills.com/careers](http://www.e-skills.com/careers) contains an IT careers DVD that can be downloaded in various formats. The DVD contains interviews with people working in IT talking about why they chose a career in IT and their progression route.

e-skills UK is hoping to produce a version for the Telecoms industry early in the New Year.

e-skills UK is not able to offer careers advice to individual students, but it can advise teachers and Connexions staff working in Careers Education and Guidance.

Information about other services to support learning in IT can be found in the entries for At-Bristol (page 5), Science Learning Centre SW (27), Wessex SETPOINT (28) and WISE (46).

## Land-Based & Environment

(Specialised Diploma to be offered from 2009)

### Further information

Information about the Diploma can be found on the Diploma website [www.diplomalbe.co.uk](http://www.diplomalbe.co.uk) and at [www.qca.org.uk](http://www.qca.org.uk) via the Qualifications pages.

### Contact

LANTRA, the Sector Skills Council for the land-based industries:

*Martin Callow* – Development Advisor: 14-19 Diploma

Lantra

Lantra House

Stoneleigh Park

Coventry

Warwickshire CV8 2LG

Tel: 07867 908179

Email: [martin.callow@lantra.co.uk](mailto:martin.callow@lantra.co.uk)

Web: [www.lantra.co.uk](http://www.lantra.co.uk)

## Manufacturing

(Specialised Diploma to be offered from 2009)

For information about the proposed content of Levels 1, 2 and 3, and to take part in the national consultation, visit [www.manufacturingdiploma.co.uk](http://www.manufacturingdiploma.co.uk)

Improve Ltd, the Sector Skills Council for the food and drink industries, is leading on the development of this Diploma, in partnership with:

- Skillfast-UK (clothing, footwear and textiles)
- ProSkills (process industries, including buildings products, glass, coatings, extractives and print)
- SEMTA (Science, Engineering and Manufacturing Technologies)
- Cogent (Chemicals, Nuclear, Oil and Gas, Petroleum and Polymers).

Teaching ideas and resources associated with the footwear, textiles and apparel industries are available online at [www.fabricadabra.co.uk](http://www.fabricadabra.co.uk)

Teaching resources for Manufacturing can also be obtained from:

The Occupational Standards Council for Engineering (OSCENG)  
Shieling House  
Invincible Road  
Farnborough  
Hampshire GU14 7QU

### Contact

Tim Feest

Tel: 01252 371 022

Fax: 01252 371 099

Email: [tim@osceng.co.uk](mailto:tim@osceng.co.uk)

## Public Services

(Specialised Diploma to be offered from 2010)

No information is currently available about this Diploma or support for learning linked with the public services sector beyond what can be found at [www.qca.org.uk](http://www.qca.org.uk) via the Qualifications pages.

## Retail

(Specialised Diploma to be offered from 2010)

Information about the Diploma can be found on the website of the Sector Skills Council for the Retail industry [www.skillsmartretail.com](http://www.skillsmartretail.com) and at [www.qca.org.uk](http://www.qca.org.uk) via the Qualifications pages.

### Local support for learning linked to the Retail sector

The Retail Skills Network brings together employers, education and the public sector in the West of England and Gloucestershire to address recruitment issues and skills gaps in the industry. It aims to raise the skill levels of those employed in it and to attract more highly skilled entrants to careers in Retail.

The RSN is not able to organise work experience or attend all careers events but where possible will circulate information to its employer contacts and attend careers days.

### Contact

*Kate Nurse* – Retail Skills Network Project Coordinator (West of England)

2nd Floor Royal Oak House

Royal Oak Avenue

Bristol BS1 4GB

Tel: 0117 989 7065

Email: [kate.nurse@retailskillsnetwork.org.uk](mailto:kate.nurse@retailskillsnetwork.org.uk)

Web: [www.retailskillsnetwork.org.uk](http://www.retailskillsnetwork.org.uk)

## **Society, Health & Development** – formerly Health & Social Care (Specialised Diploma to be offered from 2008)

Four Sector Skills Councils are involved in the development of this Diploma:

- SkillsActive – Sport and Recreation, Health and Fitness, The Outdoors, Playwork and Caravans  
[www.skillsactive.com](http://www.skillsactive.com)
- Skills for Care – the Residential Care sector and Social Services  
[www.skillsforcare.org.uk](http://www.skillsforcare.org.uk)
- Skills for Health – part of the NHS, but with its own Board and management  
[www.skillsforhealth.org.uk](http://www.skillsforhealth.org.uk)
- Skills for Justice – Courts, Policing and Law Enforcement, Prisons, Probation, Prosecution, Forensics, Community Justice and Voluntary Work  
[www.skillsforjustice.com](http://www.skillsforjustice.com)

Latest information about the Diploma can be found on the SSC websites and at [www.qca.org.uk](http://www.qca.org.uk) via the Qualifications pages.

Or contact *Uzma Ahmad* (SkillsActive) on:

Tel: 0207 632 2024

Email: [uzma.ahmad@skillsactive.com](mailto:uzma.ahmad@skillsactive.com)

### **Key issues identified at the first meeting of the West of England network to support the Diploma in Society, Health & Development (summer 2006)**

- Require clear criteria to make diploma more understandable
- Senior Leadership Teams not recognising impact of diplomas
- Discipline issues when students are studying at multi-sites
- Teaching staff currently come from a variety of backgrounds – need to make better use of health professionals/educators
- Need for collaborative blocking of school timetables to enable greater access to chosen programmes
- Workforce development issues to develop diplomas in schools and effects on staffing levels
- Where do functional skills fit in and who will teach them?
- Funding issues when following programmes at different establishments
- Need to win parents over to vocational programmes delivered between school and off-site provision

**The Care Ambassadors Scheme** brings professionals from the social care sector into schools in order to help students from Year 9 onwards to understand this area of employment and to stimulate learning in courses related to social care.

The Scheme also offers Focus Sessions to support the following areas:

- Care of the elderly
- Positive care environments
- Promoting equal opportunities
- Different providers in the community
- Planning a person's care.

The Care Ambassadors supplement all these sessions with relevant materials and information from their workplaces, such as policies and procedures, guidance on moving and handling equipment, methods of assessment, and Care Plan formats.

Also available:

- Care Ambassador careers session worksheet
- Care Ambassador taster session agenda (when students visit a Care Ambassadors' workplace to supplement their learning).

### **Contact**

*Emma Torregiani* – Project Co-ordinator  
Care Learning (Formerly the Avon Care Sector Employers' Consortium (ACSEC))  
Olympus House  
Britannia Road  
Patchway  
Bristol BS34 5TA  
Tel: 0117 952 8259  
Mobile: 0778 5720 454

## Sport & Leisure

(Specialised Diploma to be offered from 2010)

SkillsActive, the Sector Skills Council for Sport and Recreation, Health and Fitness, The Outdoors, Playwork and Caravans, is managing the development of this Diploma.

For further information visit [www.skillsactive.com](http://www.skillsactive.com)

## Travel & Tourism

(Specialised Diploma to be offered from 2010)

Latest information about the Diploma can be found on the SSC websites and at [www.qca.org.uk](http://www.qca.org.uk) via the Qualifications pages.

GoSkills, the Sector Skills Council for the passenger transport industry, is managing the development of this Diploma, in partnership with People 1st, the SSC for Hospitality, Catering, Leisure and Tourism.

For news of developments visit [www.goskills.org](http://www.goskills.org)

For information about careers and training in tourism and hospitality, contact

*Lizzy Pratt* – West of England Co-ordinator  
Tourism Skills Network South West  
2nd Floor Royal Oak House  
Royal Oak Avenue  
Bristol BS1 4GB

Tel: 01275 370 915

Email: [lizzy.pratt@tsnsw.org.uk](mailto:lizzy.pratt@tsnsw.org.uk)

Web: [www.tourismskillsnetwork.org.uk](http://www.tourismskillsnetwork.org.uk)