



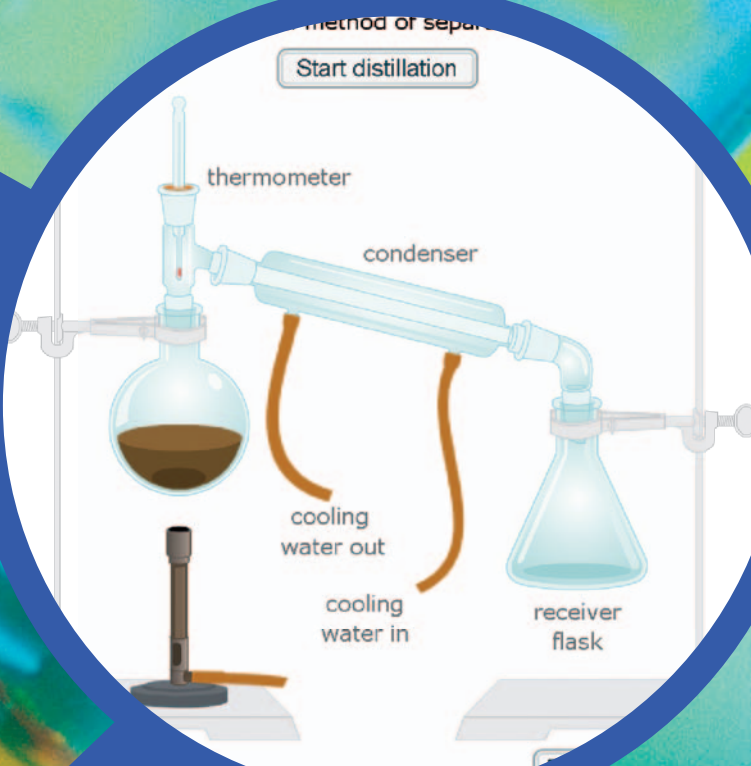
3E's Multimedia

ClickScience

The new online interactive package from 3E's Multimedia



Digital technology designed to deliver personalised learning to individuals at any ability level



Compliant with GCSE criteria for Science 2006

KS4

PC/
MAC



APPROVED FOR
SMART Board[™]
Interactive Whiteboard | UK

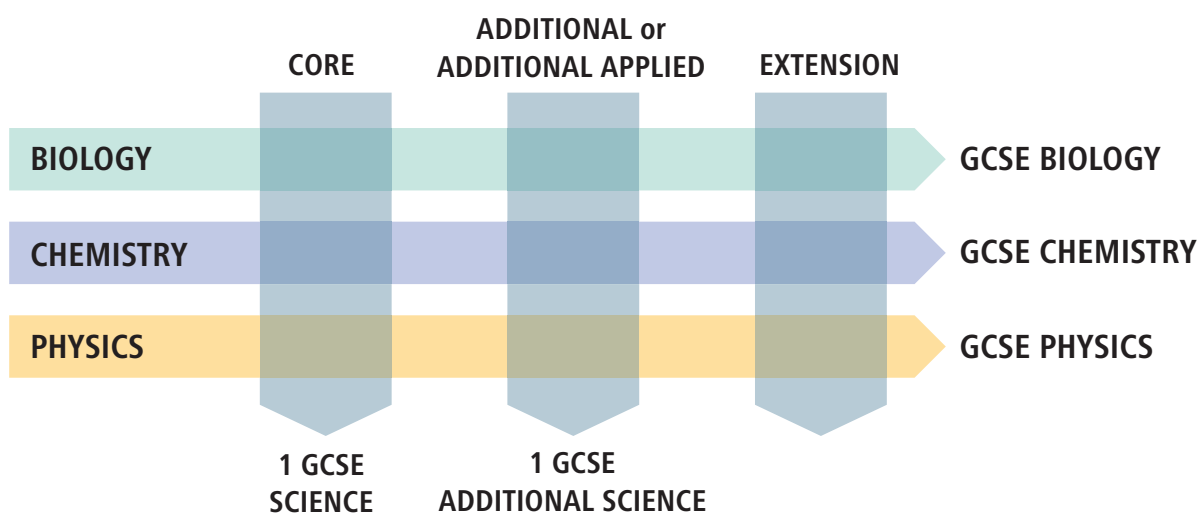
www.clickscience.com

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Getting Ready for Science 2006

From September 2006 the new Programme of Study for Science comes online. Delivering Science at KS4 now has more flexibility and returns to practical-based discovery learning.

ClickScience will incorporate Core, Additional (Additional Applied) and Extension for GCSE Science, along with GCSE Applied Science and Entry Level courses.



	LEVEL & SUBJECT	CODE
AQA	Entry Level Science - Spec A	
	GCSE Science A	4461
	GCSE Science B	4462
	GCSE Additional Science	4463
	GCSE Additional Applied Science	4863
	GCSE Biology	4411
	GCSE Chemistry	4421
	GCSE Physics	4451
	GCSE Applied Science (double award)	4861
OCR	Entry Level Science - Science Plus	3970
	GATEWAY SCIENCE SUITE (suite B)	
	GCSE Science	J640
	GCSE Additional Science	J641
	GCSE Biology	J643
	GCSE Chemistry	J644
	GCSE Physics	J645
	Level 2 National Certificate in Applied Science	

	LEVEL & SUBJECT	CODE
Edexcel	Entry Level (Double Award) Science	8937
	360 SCIENCE	
	GCSE Science	2101
	GCSE Additional Science	2103
	GCSE Biology	2105
	GCSE Chemistry	2107
	GCSE Physics	2109
	BTEC First Certificate in Applied Science	100/5558/7
WJEC	Entry Level Science 2007/2008	
	GCSE Science	1310
	GCSE Additional Science	1370
	GCSE Biology	1010
	GCSE Chemistry	1110
SCOT	GCSE Physics	1210
	Scottish Certificate of Education - Standard Grade Science	
Generic	How Science Works	
	Key Skills	
	Ref to KS3 Programme of Study and QCA Unit	

Key Features of ClickScience

- Easily Accessed Content
- Searchable Content (keywords/course references)
- Differentiated Material
- Active Learning
- NC References (old & new)
- NC Levels
- Lesson/Topic Objectives
- Course Walk-Throughs (accessible learning)
- Schemes of Work
- Lesson Building Facility
- Case Studies
- Career Paths
- How Science Works
- Keys Skills References and Assignments
- Dictionary
- Real-Life Examples of Science in Action, and the Effects of Science on Everyday Life.
- Experiments
- Revision Tools
- Self Assessment
- E-Management
- Online Support
- Administrative Support

Included within Clickscience are:

Experiments

Comprehensive learning through experiments and investigation. Allows the learner to develop good safety practices, alongside analysis and evaluation skills.

Case Studies

The integrated case studies bring “world-related learning”, a statutory requirement, into the curriculum. They demonstrate contemporary scientific and technological developments in context.

Learners analyse how examples of learning within the curriculum can be applied to work contexts. This will explain the relevance of curriculum subject activities to the world of work.

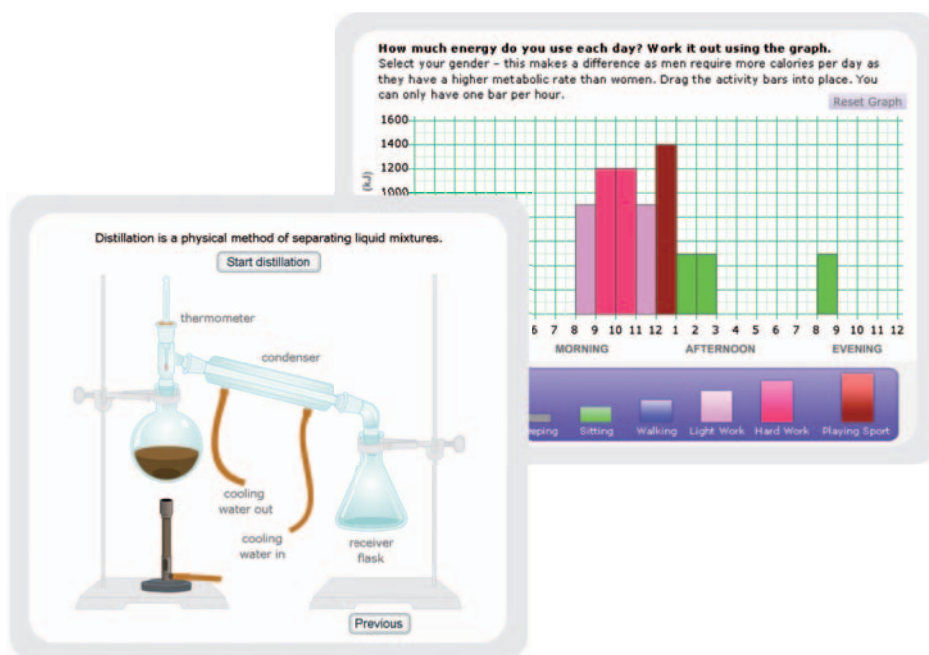
The integrated case studies describe working practices in different employment sectors. Learners are able to understand the career motivations and pathways taken by people in different employment sectors thereby giving purpose to their own studies.

Career Paths

These give direction to the learner, for a purpose in life. Career paths allow pupils to see how people have used their education to enter an industry, and how industry has continued to train them.

Functional Skills

Material is available for all six skills as an integrated part of ClickScience, allowing learners ample opportunity to complete a Level 2 Key Skills portfolio.



How much energy do you use each day? Work it out using the graph.
Select your gender - this makes a difference as men require more calories per day as they have a higher metabolic rate than women. Drag the activity bars into place. You can only have one bar per hour.

Time	Activity	Energy (kJ)
8:00	Sleeping	1000
9:00	Sitting	1100
10:00	Walking	1100
11:00	Light Work	1100
12:00	Hard Work	1400
1:00	Playing Sport	1100
2:00	Sitting	1100
3:00	Walking	1100
8:00	Sitting	1100
9:00	Playing Sport	1100

Distillation is a physical method of separating liquid mixtures.

Start distillation

thermometer
condenser
cooling water out
cooling water in
receiver flask

Previous

Supporting Progress

Courses

KS3 Programme of Study

KS3 QCA Unit (Match back)

National Curriculum 2006
– How Science Works

National Curriculum 2006
– Content

Old National Curriculum
– Programme of Study

Entry Level Science – AQA

Entry Level Science – Edexcel

Entry Level Science – OCR

Entry Level Science – WJEC

Scottish Standards

GCSE Science – AQA

GCSE Additional Applied – AQA

GCSE Science – Edexcel

GCSE Science – OCR

GCSE Science – WJEC

GCSE Applied Science – AQA

National Certificate Level 2
– OCR

BTEC First Certificate in Applied
Science – Edexcel

GNVQ Science

Key Skills Level 2

Topics

All sections are levelled and back referenced to the KS3 Programme of Study and Science QCA units to further aid progression and differentiation.

How Science Works

Future content will also refer to the 'How Science Works' section of the new Programme of Study including stand-alone content and activities.

Many of the examination boards are offering assessments through practical-based laboratory activities. ClickScience will aim to provide support for this and will be developing an ongoing set of resources in response to the assessment criteria, when ratified by the examination boards.

Lesson Building

Teachers will be able to use ClickScience as a resource for lesson building. The platform will allow searches

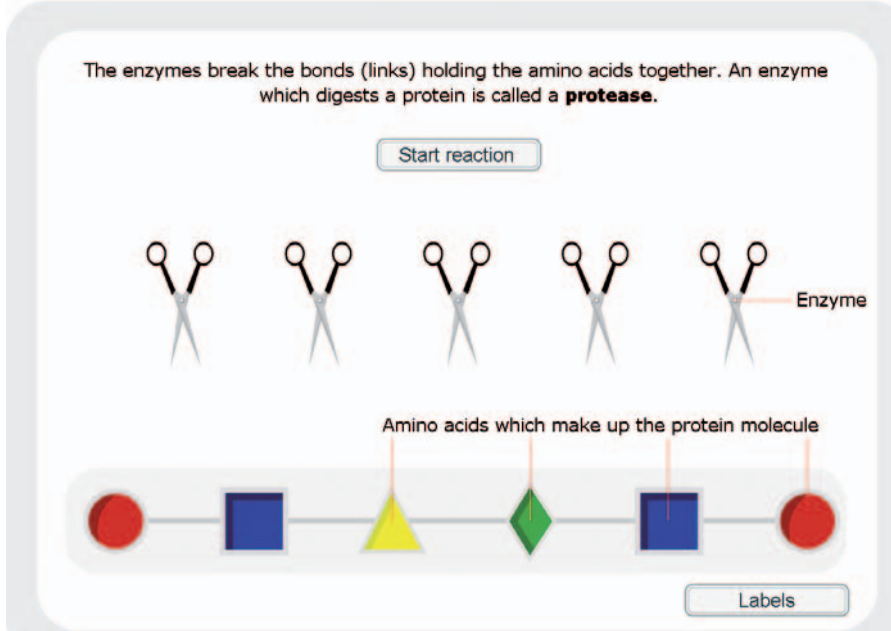
to be completed using keywords, or by syllabus code relevant to the specification you are following. At present, material is tagged to the new GCSE specifications for AQA, EdExcel, OCR and Welsh Board. This will be extended to include tags to the new OCR Level 2 Nationals in Applied Science (the replacement for GNVQ) and Entry Level Science.

Government Requirements

Functional skills are forming an ever more important part of our teaching. Maths and Communication are highlighted within scientific activities to support Government requirements that all students will need to achieve.

The enzymes break the bonds (links) holding the amino acids together. An enzyme which digests a protein is called a **protease**.

Start reaction



Enzyme

Amino acids which make up the protein molecule

Labels

Drag the labels into their correct positions.

SUBMIT
RESET
Player 1 Jack
🕒 23.27

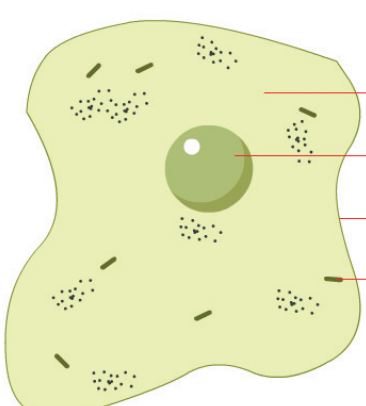
mitochondria

chloroplast

cytoplasm

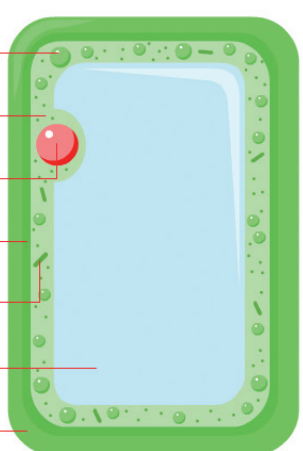
cellulose cell wall

cell membrane



nucleus

permanent vacuole

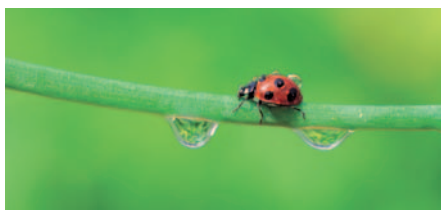


Key Skills

Throughout, ClickScience activities are referenced to Key Skills Level 2. This includes:

- Application of Number
- Communication
- ICT
- Improving Own Learning and Performance
- Problem Solving
- Working with Others

In many cases, specific and relevant Key Skill activities form part of the teaching and learning environment. They are not just an addition but an integral part of the package.



Active Learning

Everybody learns better if they enjoy the experience and engage with it. ClickScience utilises active learning techniques to promote better learning. As well as the viewed content, you might also find active learning ideas such as:

- Acronyms
- Pneumonics
- Image-Name Techniques
- Mind Mapping
- Concept Cartoons
- MAD Learning
- Using all the Senses Learning
- Chunk it Down
- Writing and Talking Frames

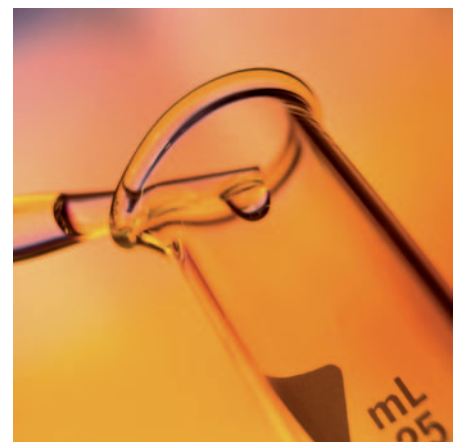
Pilot

ClickScience is being piloted by 3E's Multimedia at the moment with some existing clients. We want to work with all our current Science Online users to

ensure that the new ClickScience will meet all your future needs. We will be showcasing this at BETT 2006.

Advocates

We would like to hear from our existing clients if they are interested in becoming an area advocate for our new product. Please contact Jan for further information.



E-Management and E-Portfolio

A system to help organise and track learner progress through courses. Help and guidance is given to assist portfolio building and the meeting of assessment objectives.

Navigation of the material via assessment objectives steers the learner directly to relevant content.

E-assessment an important self-assessment tool will allow learners to assess their knowledge skills and progress at any stage during their science course.

E-portfolio assessment will provide guided learning via assessment objectives as well as managing and recording students work and achievements.

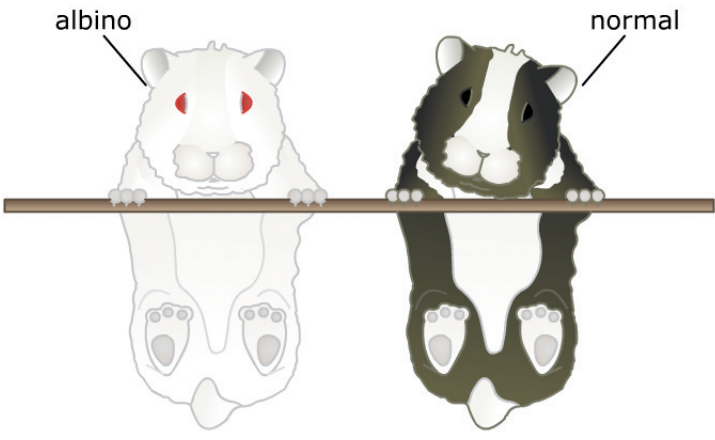
Lesson Banks

Developing a number of pre-built routes through courses; grouping content into manageable blocks to aid delivery and learning. Flexibility to create your own schemes of work and lessons to suit your individual requirements.

E-Assessment

On demand, formative self-assessments to assist learning; providing directed feedback to inform development.






INTERACTIVE GENETICS



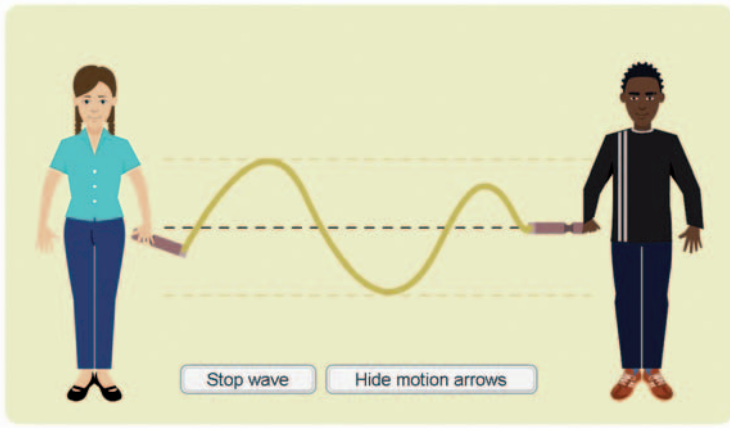
Albino guinea pigs are white. The albino gene is recessive.

A breeder of guinea pigs crossed a normal guinea pig with an albino.

In a year, he obtained five litters and a total of **20** guinea pigs. **15** were normal; **5** were albino.

RESET     

In transverse waves the particles vibrate at right angles to the movement of energy (wave motion). Examples include light waves, water waves across the surface of water, some mechanical waves in ropes or springs and all electromagnetic waves.



Stop wave Hide motion arrows

Ongoing Development

The great thing about ClickScience being an online resource is that we can add new material all the time.

We are also in the process of developing material that will allow pupils to make and store responses required as evidence for their e-portfolio.

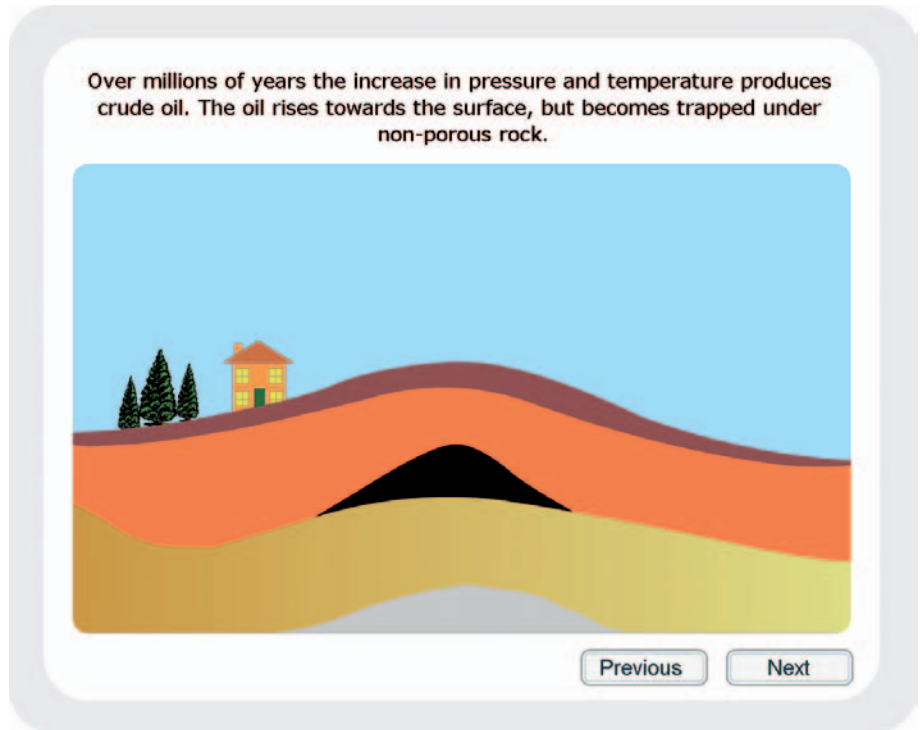
When ClickScience goes online/active in September 2006 we will be adding new content, practical reports, assessment material, assignments, case studies and interactives on a regular basis. We will also be responding to client comments and supporting you by developing tools and resources you want to see and use with your students.

Professional training courses can be arranged upon request.

Customer Support

Full personal support is given throughout each stage of the initial set up procedures, along with help files including voiceover support.

As a client you will also have full access to a FAQs section. A helpline is open for both technical and content support.



We at 3E's Multimedia like to pride ourselves on the personal approach, and endeavour to solve all questions and queries within 24 hours. Professional training is available upon request.

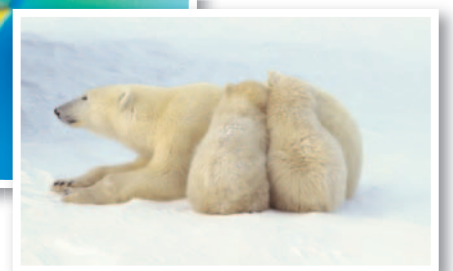
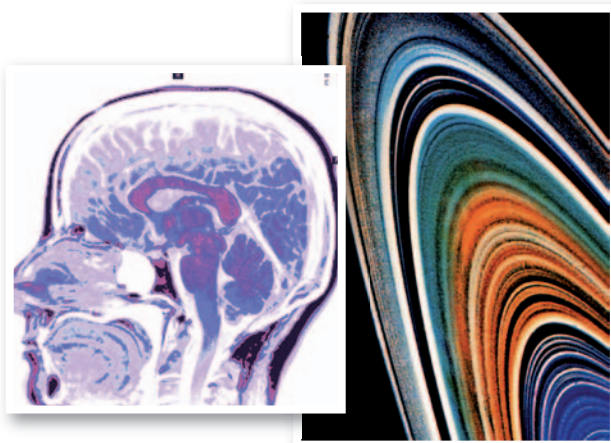
Pricing

From 31st March the product will be £2,500 plus VAT per annum, initially available under a 2-year licence agreement.

The first invoice of £2,500 plus VAT will be issued for the period of 1st September 2006 to 31st August 2007.

The second year invoice of £2,500 will be issued for the period of 1st September 2007 to 31st August 2008.

Subsequent annual renewals (from 1st September 2008) will be charged at £2,000 plus VAT.



Personal Details

Name

Position

School/College Details

Name

Address

Post Code

Tel

Fax

E-mail

Payment

I enclose a cheque payable to 3E's Enterprises for £2937.50 (inc. VAT)

Year 1 fee of 2 year licence agreement

We will be using **eLearning Credits** to purchase this package

Confirmation

Signature

Date

Please detach this form and post or fax to:

Jan Richards, 3E's Multimedia, Cooks Lane, Kingshurst, Birmingham B37 6NZ

Fax: 0121 779 1317 E-mail: jan.richards@3es.com



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