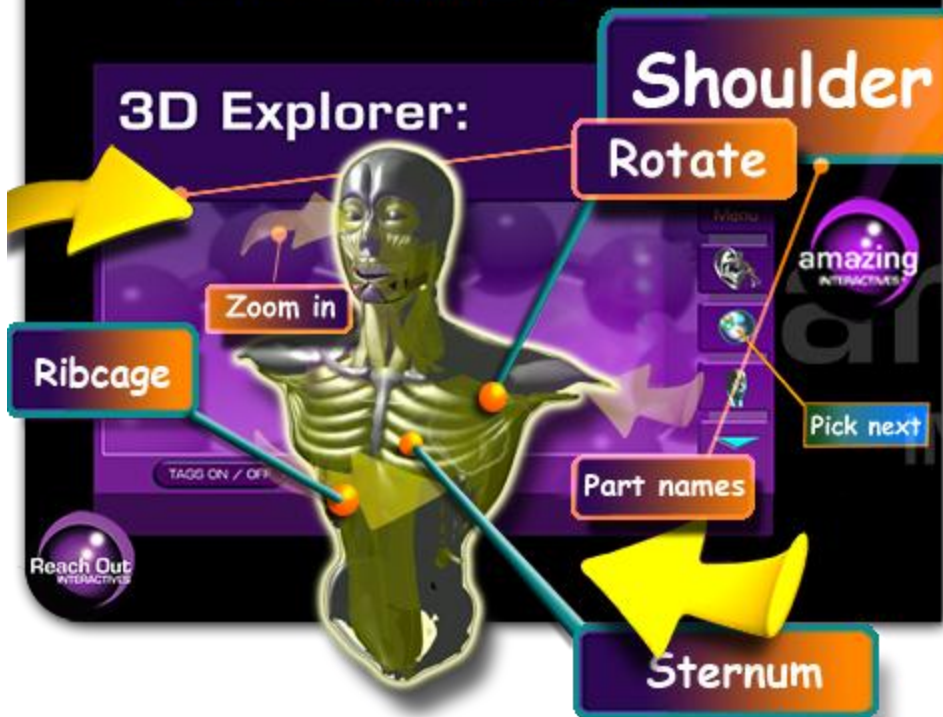


## 3D Explorer: Maths, Science, English, History & more

Fully interactive delivery support software

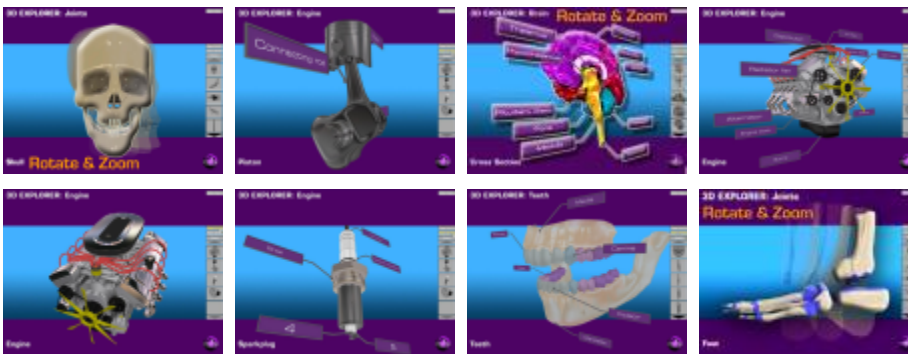


NEW for 2009!

### FEATURES

- Available in '2D' & '3D'
- Targeted curriculum
- 'Design-your-own' feature
- Forum membership
- Fully explorable content
- SIMPLE TO USE
- Student interaction
- Each package contains everything you need to support your delivery of the subject
- Animations
- EASY ROTATE & ZOOM
- Works with 'gryo' and standard mouse

### All 3D Explorer packages include zoom, rotate and parts tagging



The 3D Explorer system has been developed to bring a powerful teaching delivery tool to the learning environment.

Computers and consoles play a major part in childrens' lives with 87% of people aged 8-17 playing around 13 hours a week of games and by the

time they leave college an individual will have played over 10,000 hours of computer or console-based gaming. It is acknowledged that children are '**digital natives**' and will absorb information more readily when it is presented in a format they find natural - the 3D environment being the foremost.

3D Explorer utilizes this learning method by bringing virtually realized objects within their grasp, using our 3D hardware to '**float**' the objects in front of the student, allowing them to view the object from all angles.

3D Explorer is a cost-effective **delivery** solution.

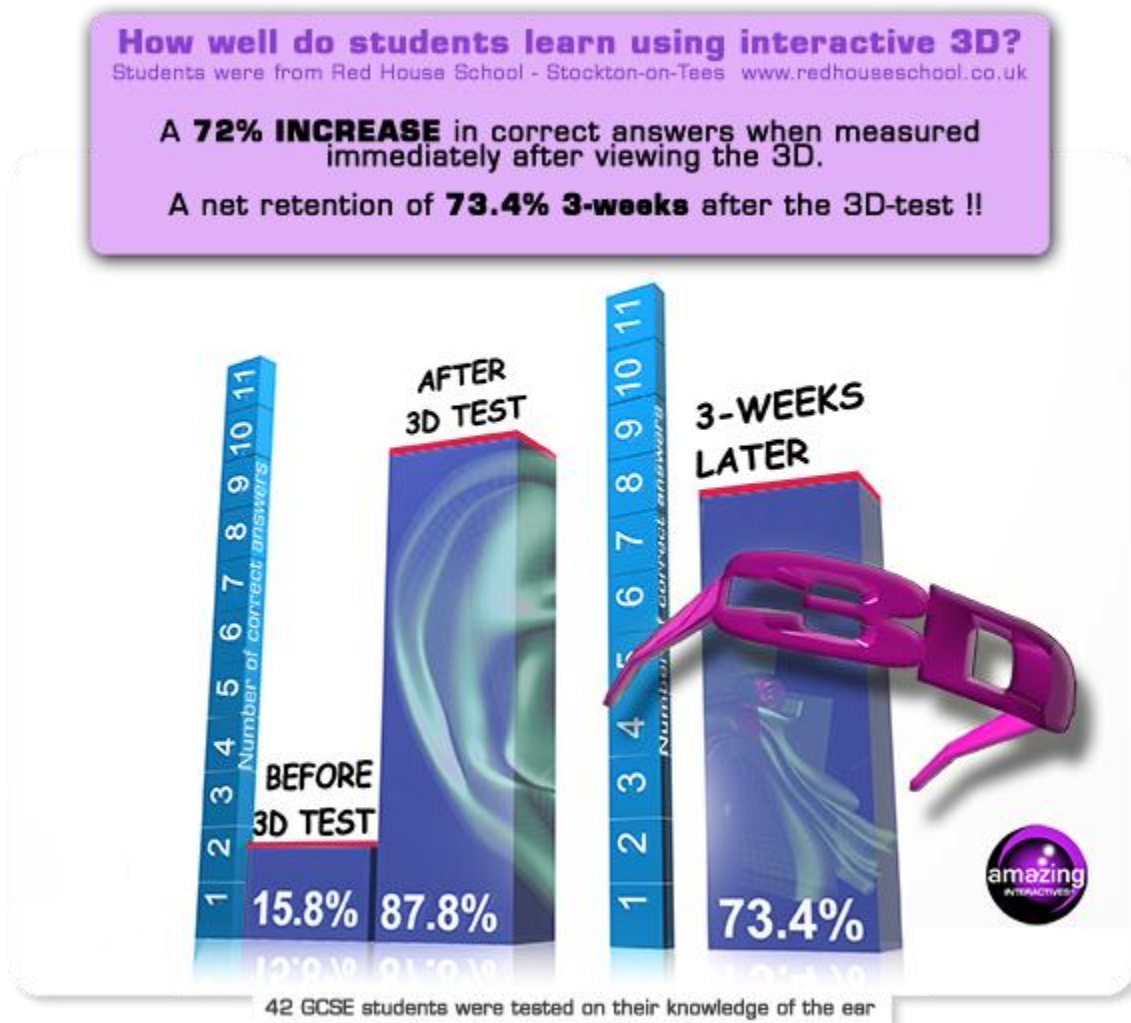
The delivery package is designed as a visual aid to enhance the subject matter being taught by the teacher, for example; A 3D human cell being used whilst talking about

cells. The cell can be shown as a cross section at the click of a button and 'tags' enabled labeling the components of the cell as they are discussed. This gives the students a visual stimulus which relates directly to the teachers' spoken information.

Objects can be manipulated by the students or teacher:

- Rotated 360 degrees on the 3 axis.
- Zoomed in and out of the screen.
- Have 'tags' enabled and disabled.
- Cycle through different 'stages' or 'views' of the object, such as, cross sectioning.

Using 3D learning, we can visualize and take facts and concepts available in data and track that into a virtual environment. This provides a 3D learning sensibility and sortens the learning curve and time frame. The 3D environment provides greater leverage tools, giving an improved learning experience.



"The three dimensional visualization totally engaged my students and greatly enhanced their ability to understand and retain their knowledge of the workings of these complex structures ." - Alex Taylor, Headmaster, Red House School

All of our 3D Explorer packages are designed to give the widest sample range for each subject for Key Stages 3 and 4 and we can also develop packages, based on your requirements for Key Stages 2 - 4.

To request a package you would like to see, please join in the forum located **here** and let us know. You can also find a list of the packages within the forum. Alternatively, you can select packages based on subject within our store, where you can request more information on specific subjects or packages.

All 3D Explorer packages are also usable within a mono, or 2D environment, allowing the pupils to use the package on computer systems within the school for supplementary learning or revision purposes.

## **Maths**

- Area & Perimeter
- Basic Algebra
- Calculator Buttons
- Graphs & Charts
- Loci & Constructions
- Metric & Imperial Units
- Patterns
- Percentages
- Powers
- Projections
- Pythagoras
- Rounding Off Units
- Surface Area
- Transformations
- Travel Graphs
- Volume & Capacity

## **Geography**

- Countries and States
- Earth Construction
- Energy & Power
- Farming
- Flood Control
- National Parks
- River Features
- Rivers & Valleys
- Soil Processes
- The Work of Ice
- Tornadoes
- Types of Aid
- Volcanoes
- Weather Cycles
- World Population

## **History**

- Bismark
- Egyptian Medicine
- Evacuees
- International Affairs
- King George V Battleship
- Pre-War Cars
- The Coal Industry
- Vietnam War US Soldier
- WW1 Aircraft
- WW1 Battle Fronts
- WW1 Rations
- WW1 Tanks
- WW1 Weapons
- WW2 Aircraft
- WW2 Battle Fronts
- WW2 British Soldier
- WW2 German Soldiers
- WW2 Military Animals
- WW2 Rations
- WW2 Tanks
- WW2 Weaponry

## **ICT**

- CADCAM
- Computer Networks
- Control Systems
- CPU
- Data Protection Act
- Data Storage
- Email
- Health & Safety
- ICT Systems
- Input Devices
- Media Integration

Output Devices  
PC Components  
Programming  
Simulation  
Stereoscopy  
Viruses

## **Physics**

Colour  
Conservation of Energy  
Earth & Seasons  
Eco House  
Electrical Circuits  
Electromagnets  
Energy  
Hearing & Sound waves  
Magnets  
Motors  
Power Stations  
Satellites  
Solar System  
Sound  
Wind Turbines

## **Biology**

Alimentary Canal  
Anatomy: Head  
Anatomy: Teeth  
Anatomy: Tongue  
Biological Cell  
Disease  
Female Reproductive System  
Fertilisation  
Food Chains  
Genetic Inheritance  
Human Skeleton  
Kidney Absorption  
Male Reproductive System  
Microscope  
Nutrition  
Ovum Cell  
Plant Organs

Plant Reproduction  
Skin Anatomy  
Sperm Cell

## **Chemistry**

Balancing Equations  
Burning Fossil Fuels  
Compounds  
Diesel Particle Filtering  
Distillation  
Particle Theory  
Periodic Table  
Properties of Metals  
Properties of Non-Metals  
Radiation  
Rock Types  
The PH Scale