



The StarBoard Science Suite



Designed by teachers, for teachers

The Science Suite from Hitachi is a new suite of learning resources for secondary science. The Science Suite is designed to be used with Hitachi interactive whiteboard products to enhance sciences lessons delivered in secondary schools from Key Stage 3 to Key Stage 4.

What makes the Science Suite unique?

The Science Suite is unique because it combines the best resources from a leading supplier of science e-learning software, namely Cambridge-Hitachi. The main topics from Key Stage 3 to Key Stage 4 are covered and are easily referenced from a topics menu.

The Science Suite includes Reviewing and Checking Progress for Key Stage 3 and Science Foundations Whole Class Teaching for Key Stage 4.



CAMBRIDGE

HITACHI

HITACHI
Inspire the Next

About Science Foundations Whole Class Teaching

- Included with the StarBoard Science Suite are exciting new Science Foundations materials for the new AQA specification which comprise Biology, Physics and Chemistry, with lessons and teacher support material.
- You can use this software to introduce topics in the classroom, and to reinforce, extend and summarise key concepts to keep your students motivated.
- It offers different ways to approach more challenging scientific concepts, helping you to make them more accessible to your students.
- Science Foundations helps you make

the most of your budget - the new software can be used alongside the Science Foundations textbooks to provide blended learning solutions, but also works well with other resources.

- The resources are flexible - you can change the order in which you use the materials or build new units from individual screens to tailor-make your own lessons.
- You can use the software for starters and plenaries, or to teach main parts of lessons.

About Cambridge-Hitachi Reviewing and Checking Progress

- An extensive series of activities that cover the 'Checking Progress' and

'Reviewing Work' sections of the QCA Scheme of Work for science for years 7, 8 and 9.

- Easy to use, with clear navigation.
- Allows you to assess student progress and understanding of key concepts without formal testing.
- Incorporates a varied range of activities, including animations, completion exercises, literacy activities, quizzes, statement maps and group activities.
- Free teacher support, with teacher notes and model answers providing guidance on interpreting student performance available free on the Cambridge-Hitachi website www.cambridge-hitachi.com.

Science Foundations Whole Class Teaching includes modules for the following subjects at key stage 4.

Biology

- Coordination
- Reflexes and Synapses
- Keeping things the same
- Fertility
- Controlling fertility
- Food and energy
- How much food do you need?
- Alcohol and other drugs
- Tobacco
- Microorganisms invade
- Immunity and vaccination
- Using antibiotics
- Adaptation
- Competition
- Genes and characteristics
- Cloning plants and animals
- Genetic engineering
- Fossils
- Evolution
- Using up the land
- Polluting the water
- Global climate

Chemistry

- Building materials from limestone
- Atoms and elements
- Compounds
- Bonding
- Limestone chemistry
- Using carbon to extract metals
- Extracting copper
- Alloys
- Aluminium and titanium
- Fuels from crude oil
- Burning fuels
- Pollution solutions and better fuels
- Making large molecules more useful
- Using ethene
- Joining molecules up again
- Designer polymers
- Useful plant oils
- Changing oils
- Additives in food
- What is inside the Earth?
- The atmosphere then and now

Physics

- Conduction, convection and radiation
- Using solar energy to heat your home
- Reducing energy loss
- Explaining conduction, convection and radiation
- Explaining heat transfer
- What happens to wasted energy?
- Calculating energy efficiency
- Using electricity
- Metering and paying for electricity
- Transmitting electricity
- Using fuels to generate electricity
- Electricity from water and wind
- Comparing power sources
- Waves beyond the end of the rainbow
- Wavelength and frequency
- Using electromagnetic waves
- Radioactive decay
- Alpha, beta and gamma radiation
- Half life
- The expanding Universe
- Observing the universe

Further information:

Hitachi Software Engineering (UK) Limited

Interactive Media Solutions Division
Hillgate House, 26 Old Bailey,
London EC4M 7HW, United Kingdom
Tel: +44 (0)20 7246 6868 Fax: +44 (0)20 7246 6860
Email: sales@hitachi-software.co.uk

Hitachi Software Engineering France S.A.S.

Interactive Media Solutions Division
7th Floor, 64 rue du Dessous des Berges,
75013 Paris, France
Tel: +33 (0) 153 827 600 Fax: +33 (0) 153 827 619
Email: starboard@hitachisoft-eu.com

Hitachi Software Engineering Europe AG

Interactive Media Solutions Division
Kurfürstendamm 22, D-10719 Berlin, Germany
Tel: +49 (0)30 8877 2600 Fax: +49 (0)30 8877 2610
Email: starboard@hitachisoft.de

*The Science Suite consists of a single license designed to run on one Hitachi interactive whiteboard and one PC. To upgrade to a full site license, please ask your Hitachi accredited resellers, or visit www.hitachi-education.com

www.hitachi-education.com