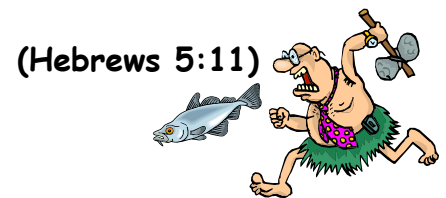


CTC Physics



saJDW's Resources

Contact me for more details! - john.wright@physics.org

Software

Interactive Physics

www.fable.co.uk (UK distributors)

A graphical interface for modelling physics.

Can be used to produce your own simulations.

Extensive support and simulations on the Fable web site.

Krucible

www.kar2ouche.com/krucible/index.htm

A visually stunning software suite which simulates waves, energy and forces.

Contains activities and extension exercises.

It allows you to pilot your own hovercraft!

Furry Elephant - Electricity Explained & Radioactivity Explained

www.furryelephant.com

A series of 10 lessons on electrical circuits and radioactivity.

Excellent teaching notes challenge the way you teach the topic.

Differentiated notes and revision tests.

Absorb Physics

www.crocodile-clips.com

Revision packages, one for GCSE one for AS and A2

Excellent animations and revision tests.

Crocodile Physics

www.crocodile-clips.com

Electrical, mechanics and optics simulation

Good general all rounder

History of the Universe

www.ransom.co.uk

Great animations, difficult questions answered in a fun way

Crossword Express

www.crauswords.com

Make your own crosswords. These can have over 100 words!

Simple Circuits

www.sunflowerlearning.com

Excellent interactive circuit simulation

Modellus

phoenix.sce.fct.unl.pt/modellus

Free mathematical simulation package

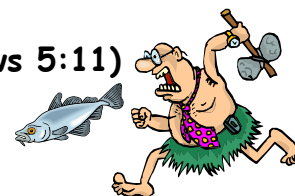
Science Video Network

www.sciencevideonetwork.org

Get cheap digitized videos

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(Hebrews 5:11)



Data logging

DrDAQ - cheap but good seven channel educational data logger

www.drdaq.com

Black Cat - USA data logging radiation detectors

www.blackcatsystems.com/GM

ALBA - a great range of physics resources

www.djb.co.uk

The ALBA Interface and Logger S1-1000.00, Temperature probe C1-1000.00 and Joule & Watt Meter

Power - Energy - Cost Meter, ALBA Ranger B1-2000.00, Time, Speed Acceleration (TSA) B1-1000.00

Books

Title	Author	ISBN	Topic
Big Bang	Simon Singh	0007152523	Cosmology
Flatland: A Romance of Many Dimensions	Edwin A Abbot	1419120026	Cosmology
Structures: Or Why Things Don't Fall Down	James Gordon	0306812835	Engineering
The New Science of Strong Materials	James Gordon	0691023808	Engineering
The New World of Mr Tompkins	Russell Stannard	0521630096	General Physics
Quarks, Leptons and the Big Bang	Jonathan Allday	0750308060	Particle Physics & Cosmology
The New Quantum Universe	Tony Hey	0521564573	Particle Physics
Physics for You	Keith Johnson	0748762361	Text Book (13 to 16)
Calculations for A-level Physics	Lowe & Rounce	0748767487	Text Book (16 to 18)

Web sites

HyperPhysics - graphical overview of the whole of Physics

<http://hyperphysics.phy-astr.gsu.edu/hbase/hph.html>

Insultingly Stupid Physics Movies

<http://www.intuitior.com/moviephysics>

MC Hawking's Crib - funny but rude Physics songs

<http://www.mchawking.com>

Wright Centre - excellent free posters

http://www.tufts.edu/as/wright_center

Les Horribles Cernettes - CERN's of pop group! Download Particle Physics songs!

<http://musicclub.web.cern.ch/MusiClub/bands/cernettes>

Practical Physics - help and ideas for experiments

www.practicalphysics.org

West Point Bridge Designer - Build a bridge, receive your world ranking

<http://bridgecontest.usma.edu>

djb microtech ltd - good quality equipment

www.djb.co.uk

Particle Adventure - one of the best Particle Physics web sites

<http://particleadventure.org/particleadventure>

Particle Physics simulation - good for explaining and analysing collisions

www.hep.lancs.ac.uk/package

PhET - a collection of free simulations

www.colorado.edu/physics/phet

Classroomspace -Excellent for astronomy!

www.classroomspace.org.uk

My one - not online see me for details!