

# CROCODILE Physics

[Windows (v401) / Mac (v305) CD-ROM; for ages 10-18]



**Crocodile Physics is a comprehensive and easy-to-use simulator covering electricity, optics, mechanics, waves and force & motion.**

Students can experiment quickly and simply by dragging components from the toolbars, and the results can be graphed.

**A large and detailed program providing a wide range of activities, which support and stimulate interest and curiosity in Physics. It is an extremely useful tool.**

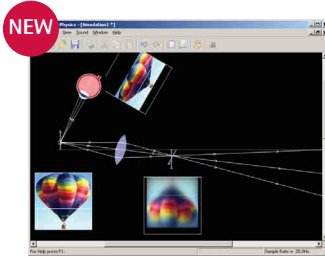
- TEEM review, [www.teem.org.uk](http://www.teem.org.uk)



Crocodile Physics is Curriculum Online certified. It can be purchased with eLearning Credits.



Already using Crocodile Physics? Find out about converting to a School Site Licence - for an unlimited number of computers.

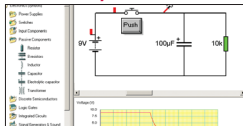


## Image import [Windows]:

Crocodile Physics 401 lets you import your own pictures into simulations. You can then see how they look when projected on a screen, or to a simulated eye. Intensity, distortion and blurring are all simulated.

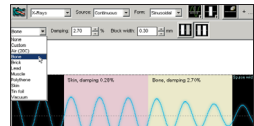
Also, the graphing tool now lets you plot any quantity on either x- or y- axis.

## Electricity



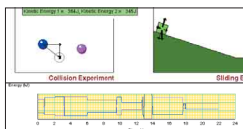
Simulate circuits safely and easily using over 100 components - letting you study electricity with no loose connections or faults. Investigate properties, and graph voltage, current, charge or power.

## Waves



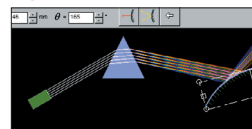
Model transverse and longitudinal waves, changing settings at will. Investigate reflection, interference & refraction, with a variety of waves - such as EM, sound or water waves.

## Force and motion



Accelerate masses and graph motion. Change settings easily to study concepts like Newton's Laws, Hooke's Law and SHM. You can also study gravity, friction, projectiles, & collisions.

## Optics



Use lenses, lamps, mirrors, rays and many other components. Study reflection, refraction, and different wavelengths, or draw ray diagrams to see how optical instruments work.



Download a free demo from our website or phone 0131 226 1511 for a free demo CD.