

Welcome to Yenka.



3D modelling software for mathematics,
science, technology and computing...

...free for teachers and students
to use at home.



yenka

www.yenka.com

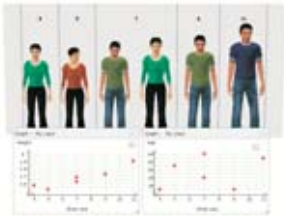
Welcome to Yenka



Yenka is a new generation of educational modelling tools from Crocodile Clips. Equally at home on whiteboards or when used by individual students, they let you experiment with the topics you're teaching in a safe, accurate virtual world.

Create your own interactive lessons

Each Yenka product is based around a powerful modelling engine. This lets you use and edit the rich, interactive content from our extensive online database - or create your own lessons from scratch with just a few clicks.



Free upgrades until 2012

For any Yenka product you buy, you'll get free upgrades until July 2012.

Also, there's no recurring subscription cost - once you've purchased a licence, you can use that product on any computer in your school.

Free home use

To help spread the word about Yenka, students and teachers can get free home licences for all of our Yenka products.

There's no need to purchase anything. Register your school on www.yenka.com/home, you and your students can use all of our Yenka products at home free of charge.

Improved interface and content

If you have more than one Yenka product, they fit seamlessly together, sharing a single user interface, keeping tools and techniques consistent across subjects.

There's a library of ready-made objects, tools and environments, tailored to help you teach in Yenka's virtual world, available on yenka.com.



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www.yenka.com

Yenka for Computing



Yenka Programming

Yenka Programming is a powerful tool for teaching control and programming sequences.

Simple flowcharts let you control either human characters or on-screen animations, making programming easily accessible to all.

It's a novel way to teach about control, starting with the basic concept of a sequence of steps, and moving on to loops, variables and functions.



Start your flowchart

Each character has many different actions - dances, movements and interactions - which can be programmed using flowcharts. Link as many commands as you wish, in any order, and edit parameters with a click.

Errors are highlighted and explained as your program runs, and a monitor shows variable values changing. You can step through commands at your own pace.



Synchronise your dancers to music

Add a backing track for your characters to dance to - we've included 23 for you to choose from, or you can import your own tracks.

Import your own 3D objects

Yenka's 3D world lets you control your characters, and view their actions, in full 3D.

Yenka Programming lets you import from Google Sketchup, and its vast library of ready-made 3D models - so you can create a 3D environment for your characters to inhabit!



Register your school for free student licences: www.yenka.com/home

Yenka for Mathematics



For mathematics, Yenka offers two powerful modelling tools. They let you experiment with concepts in a colourful 3D environment.



Yenka Statistics

Yenka Statistics is a colourful modelling tool that lets you experiment with statistics and probability.

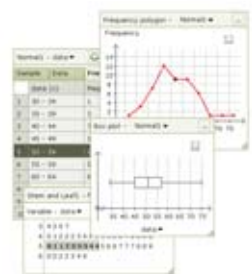
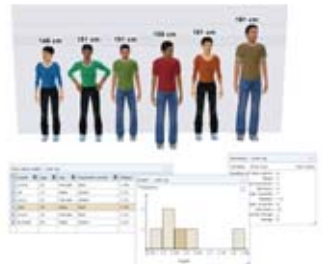
Create and import data

Enter or import your data, or let Yenka generate randomised distributions. Alternatively, a line-up gives you editable data for characteristics like age or height.

Stem and leaf diagrams, frequency and cumulative frequency polygons, histograms, bar or pie charts illustrate your data.

Scatter graphs let you check correlations, interpolate or extrapolate, while box plots show the five-number summaries.

Graphs update as soon as you edit data - modelling the effect of your changes. Click a measure (like mean, or a quartile) and it's highlighted on your graphs - and on the line-up.

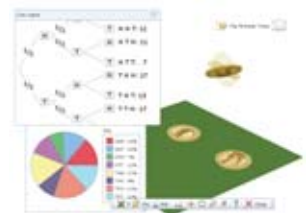


Probability games

Flip coins, roll dice, draw numbered balls from a lottery machine, or test your own probability problems - like pulling coloured socks from a drawer.

Study multiple events: roll two dice or flip three coins - each outcome is recorded on the probability tree.

You can edit the probabilities, too - so you can even load the dice in your favour!



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Yenka for Mathematics



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Yenka 3D Shapes

Yenka 3D Shapes is a new modelling tool for experimenting with 3D geometry.

Choose from a range of ready-made shapes or nets, and resize, measure or rotate them.

Design 3D nets, and fold them.

Link 2D shapes, and fold them by dragging - see if the net makes the shape you want. Ready-made nets help you get started.

Measure and unfold them.

Snap measurements - like volume or length - onto your shapes: they monitor changes as you work.

Click the 'unfold' button to unfold shapes into nets, or unfold shapes manually, face by face.

Stack shapes on top of one another, and measure combined volumes. You can even add textures, like wood or brick.

View plans and elevations.

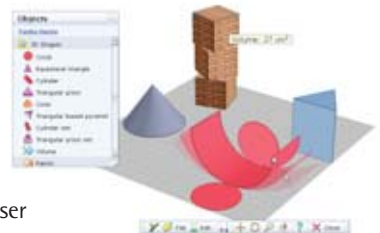
Intuitive tools - pan, zoom and rotate - change the view. A simple click shows you a plan or elevations.



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Yenka Mathematics bundle

You can save money by purchasing both of these Yenka products together. If you do so, they'll fit seamlessly together, sharing a single user interface.



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Yenka for Science



Yenka now has five new science products, which fit seamlessly together to cover the same topics as in Crocodile Physics and Chemistry.



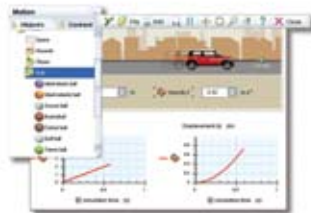
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Yenka Electricity

Investigate AC and DC circuits using a wide range of electrical components.

Simulating circuits is simple. Just drag components onto the screen, and link them by drawing wires between their terminals. Most component values can be changed at will.

As you draw, animation shows the design springing to life: a safe and easy way to experiment with electricity.

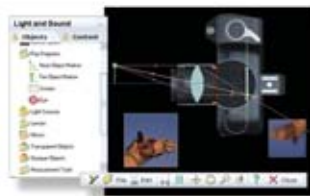


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Yenka Light & Sound

Study reflection, interference and refraction using transverse and longitudinal waves, with fixed or moving sources. Add slits to see diffraction or interference patterns.

Mix lenses, mirrors and prisms with light beams and rays, and import pictures to view through your optical system.



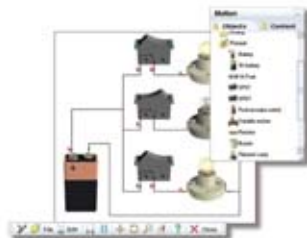
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Yenka Motion

Simulate motion experiments using carts, blocks and balls, controlling gravity, friction and elasticity.

Move objects as you wish, and drop, accelerate or collide them. Choose their mass, elasticity, friction, dimensions, velocity and driving force.

Attach rods and springs to investigate simple pendulums, spring oscillations, Hooke's Law and rotational motion.



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Yenka for Science



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Yenka Inorganic Chemistry

Yenka Inorganic Chemistry lets you simulate experiments with over 100 chemicals, choosing the mass, concentration and form you want.

Drag chemicals, equipment and glassware from the toolbars at the side of the screen, and combine them as you wish: reactions are modeled accurately as soon as you mix the chemicals.

See detailed information and equations from the reactions, and plot graphs to analyze your experiments - like the changing pH of a solution, or the rate at which a reaction proceeds.



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Yenka Electrochemistry

Simulate experiments in electrolysis, electroplating and cells.

Choose from a range of metal or carbon electrodes, and combine them with one of 28 different electrolytes. For each electrolyte, you can set the concentration and volume precisely. Add a battery and wire it to the electrodes, and watch your simulation run.

To simulate voltaic cells, use two beakers and a salt bridge, and a voltmeter to measure cell potential.



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Yenka Science bundle

You can save money by purchasing all five of these Yenka products together. If you do so, they'll fit seamlessly together, sharing a single user interface.



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Yenka for Technology



Yenka Electronics, PCBs, PICs and Gears work seamlessly together, sharing a single user interface. Together, they cover the same areas as Crocodile Technology.



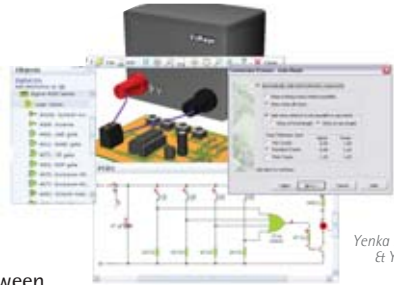
Yenka Electronics

Simulate 2D circuit schematics, testing and refining your design as you work.

Over 150 component types, from power supplies and switches, through sensors and semiconductors, to extensive sets of 4000 and 7400 series ICs, are on offer.

Drag the ones you want from the toolbar, and build your circuit by wiring between them with the mouse.

Component values and real-life models are editable, and you can test your circuit by using meters and graphing tools.



*Yenka Electronics
& Yenka PCBs*

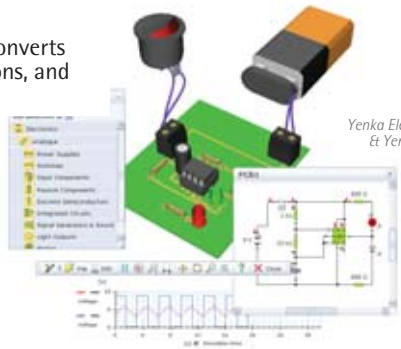


Yenka PCBs

An add-on for Yenka Electronics, which converts your circuit designs into 3D PCB simulations, and exports them for manufacture.

A powerful design engine places components and routes tracks for you. You can specify key settings, like track width and component spacing, and place key components yourself - or even edit the full design manually.

When you're ready, you can control either 2D or 3D view; both are simulated together.



*Yenka Electronics
& Yenka PCBs*



Register your school for free student licences: www.yenka.com/home

Yenka for Technology



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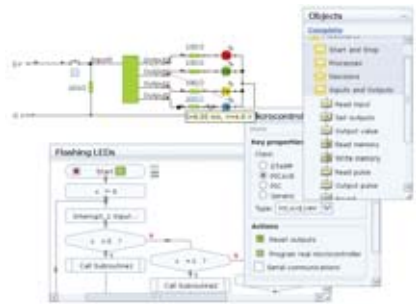
Yenka PICs

Yenka PICs has a new, easy-to-use flowchart programming interface, and lets you program simulated PIC or PICAXE chips using flowcharts, before exporting your program to real chips.

Snap flowchart elements together, and then click on them to edit their properties - like input status and variable values.

To insert a new command, just drop it at the right place; it snaps in automatically, with no need to delete and redraw links.

Then, program real chips directly: PICAXEs 08, 08M, 14M, 18, 18A, 18X, 28, 28A, 28X, 28X1, and PICs 16F627, 16F628, 16F84, 16F84A and 16F872.



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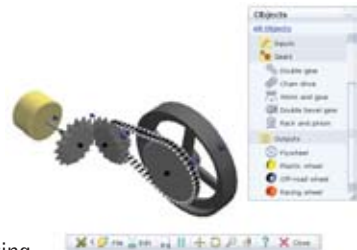
Yenka Gears

Yenka Gears lets you experiment with a range of mechanical components, in full 3D.

Mechanical components are straightforward to use: they snap together automatically, and can be moved and rotated in each of the 3 dimensions.

Gears can be linked directly to each other, or using a chain drive of any length.

To change the direction of rotation, worm and bevel gears and a rack and pinion are also available.



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Yenka Technology bundle

You can save money by purchasing all four of these Yenka products together. If you do so, they'll fit seamlessly together, sharing a single user interface.



Register your school for free student licences: <http://www.yenka.com/home>

Also from Crocodile Clips...

Bunja : maths with a thrilling adventure

Bunja is a new interactive audio toy for ages 6-11, designed to improve maths and listening, and teach about the environment.

After each set of maths questions, you listen to the next adventure - fast-paced and with jungle sound effects. Using the buttons, you decide what to do, and how the story unfolds.

Bunja learns about each child, helping them in areas they find difficult. Over 100 maths topics are covered, linked to the curriculum for England & Wales and for Scotland.

The Bunja School Pack costs £199 + VAT. It's currently only available in the UK, and contains

- * 10 Bunja toys, each with 1xAAA battery
- * 10 sets of headphones
- * A user guide, with lesson ideas.

Find out more at <http://www.bunja.com>.



Crocodile Mathematics

A user-friendly, interactive mathematics lab.

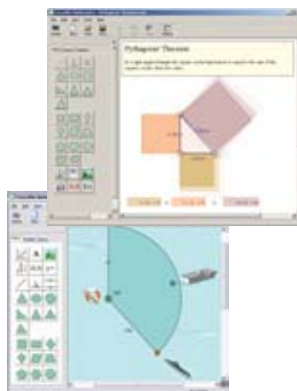
Teachers and students can create and experiment with mathematical models by linking shapes, equations, numbers, graphs, text and pictures.

You can investigate the properties of shapes and angles - such as transformations, or geometric concepts.

Alternatively, you can link the shapes to equations or numbers to give a visual representation of algebraic or numeric concepts.

"Bright, visual, colourful, mathematical and fun - what more could one want?"

The Mathematical Association



Also from Crocodile Clips...

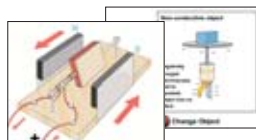
Absorb Courseware

Our Absorb courses include a rich range of media: our unique simulation, animations and videos for key concepts, interactive models and investigations, and an involving narrative.

They're delivered online, with the option of downloading SCORM-compliant versions for your VLE.

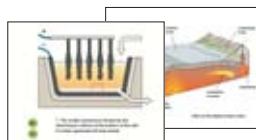
Absorb Physics

Motion • Forces, friction & momentum • Work, Power & Energy • Pressure • Levers • Charge • Circuits • Current, Voltage & Resistance • EM Effects • Control in Circuits • Waves - reflecting, refracting & interfering • Light • EM Spectrum • Waves in Action • Earth & The Universe • Heat & Energy Transfer • Atoms & Matter • Radioactivity



Absorb Chemistry for GCSE

Structure of the atom • Particles • Bonding • Periodic Table • Reactivity Series • Metal Extraction • Electrolysis • Acids, Alkalis and Salts • Limestone • Water • Oil • Organic Chemistry • Chemical Energy • Rates of Reaction • Equilibria • Industrial Processes • The Atmosphere • Rocks • Plate Tectonics • Chemical Calculations



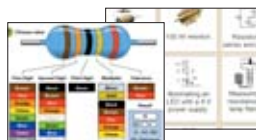
Absorb Mathematics for GCSE

Lines, Angles & Shapes • Bearings • Polygons • Triangles • Pythagoras • Trigonometry • Circles • Loci • Perimeter, Area & Volume • Coordinates • Congruence • Vectors • Transformations • Symmetry • Numbers • Operations • Percentage & Ratio • Equations & Inequalities • Sequences • Quadratic & other curves • Transforming curves



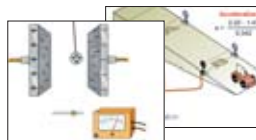
Absorb Electronics for GCSE

Circuits • Multimeter • Resistors • Lamps • Voltage Dividers • Sensors • Switches • Signals • Oscilloscope • Capacitors • Diodes • Cells • Solar Cells • Power Supplies • Voltage Regulation • Transistors • Automatic Light • MOSFETs • ICs • Thyristors • Safety lights • Electronic dice • Electronic lock



Absorb Physics Advanced

Kinematics • Dynamics • Newton's Laws • Energy, Work and Power • Statics, Moments and Turning Forces • Circular Motion • Oscillations and SHM • Mechanical Properties • Heat Retention & Flow • Pressure • Electricity • Semiconductors • Waves • Optics • Fields • Atomic & Nuclear Physics • The Atom • Quantum Physics



Try free chapters from the courses at
www.crocodile-clips.com/absorb

What next?



Free 15-day demos

Try our Yenka Products free in your school, for 15 days:
<http://www.yenka.com/try>.

Free home use

Students and teachers can get free home licences for all of our Yenka products - even if the school hasn't purchased a licence. Just register your school on <http://www.yenka.com/home>, and you and your students can use all of our Yenka products at home free of charge.

Prices

You'll find details of prices, and our latest offers, online:
<http://www.yenka.com/buy>

How to purchase

Please contact us if you want to purchase a Yenka product, or if you have any other questions.

Customers in the UK can reach us at

Crocodile Clips Ltd
43 Queensferry Street Lane
Edinburgh
EH2 4PF

[t] 0131 226 1511
[f] 0131 226 1522
[e] sales@crocodile-clips.com

Customers from other countries should speak to their local distributor. You'll find contact details linked from

<http://www.yenka.com/buy>

Free upgrades until 2012

If your school purchases a school site licence for a Yenka product, you'll get free upgrades until 2012 for that product.

Free training videos

To help you get to grips with Yenka, we've put a range of training videos on our website: <http://www.yenka.com/training>.

Crocodile Clips / Yenka

Prisliste versjon 3/09 - gyldig fra 24. september 2009

Alle priser er oppgitt i norske kroner, eks mva. (Forbehold mot trykkfeil i prislisten!)

Alle Crocodile Clips programmer er nå erstattet av Yenka

| Programmer | | |
|-----------------------------------------------------------------------------------|-----------------|-------------|
| Lisensstørrelser: | | |
| Lærertilisens: 1 navngitt lærer på 1 PC + 40 elever i lærerens time på skolen! | | |
| Skolelisens: Ubegrenset antall lærere og elever på samme skole | | |
| | Lisenser/priser | |
| Yenka Science | Lærertilisens | Skolelisens |
| Electricity & Magnetism | 750 | 2 500 |
| Motion | 450 | 1 500 |
| Light and Sound | 750 | 2 500 |
| Inorganic Chemistry | 1 050 | 3 500 |
| Electrochemistry | 450 | 1 500 |
| Physics Bundle (Electricity & Magnetism, Motion, Light & Sound) | 1 800 | 6 000 |
| Chemistry Bundle (Inorganic Chemistry and Electrochemistry) | 1 350 | 4 500 |
| Science Bundle (Physics Bundle + Chemistry Bundle + Gears) | 2 700 | 9 000 |
| Physics Bundle w/Electronics (Physics + Analog/Digital Electronics + Gears) | 2 700 | 9 000 |
| Science Bundle w/Electronics (Physics + Chemistry + Analog/Digital Elec. + Gears) | 3 600 | 12 000 |
| | | |
| Yenka Technology | | |
| Electronics | 1 350 | 4 500 |
| PCBs | 450 | 1 500 |
| PICs | 450 | 1 500 |
| Gears | 150 | 500 |
| Technology Bundle (Electronics, PCBs, PICs, Gears) | 1 800 | 6 000 |
| 3D Shapes | 600 | 2 000 |
| Statistics | 900 | 3 000 |
| Mathematics Bundle (3D Shapes, Statistics) | 1 350 | 4 500 |
| Programming (erstatter Croco ICT) | 1 350 | 4 500 |
| | | |

Last ned demo fra www.yenka.com