

- **PERFECT FOR INTERACTIVE WHITEBOARDS**
- **PERFECT FOR STARTERS & PLENARIES**
- **PERFECT TO ENHANCE LESSON CONTENT**
- **FULLY FEATURED FLASH PLAYER - FREE!**



Over 650 professional flash animations, interactive exercises and graphs to enhance teaching and learning in Biology. The flash (swf) files are perfect for use within all makes of interactive whiteboard software, other programs such as PowerPoint and for VLE deployment. The Biology FlashKit (11-16) is complementary to the Biology FlashKit (16-18) and both give you the resources to produce engaging lessons on the interactive whiteboard or VLE and will enhance your presentations. The flash files are conveniently categorised into topic folders. SSER Ltd also provide the UK's best collections of educational graphics (photos and diagrams) - to see representative samples of our FlashKits or Graphics please visit www.sserltd.co.uk.

11-16 PACK
307 FLASH FILES

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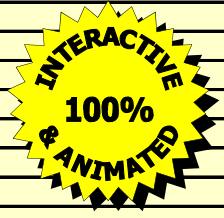
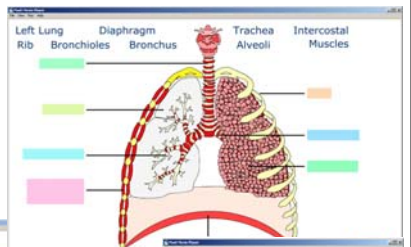
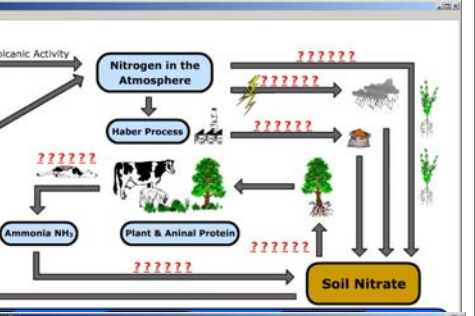
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SUPERB ANIMATION & INTERACTIVITY SUITABLE FOR VLE DEPLOYMENT INTERACTIVE WHITEBOARDS & PRESENTATIONS

Biology Flashkit (11-16) Categories/Topics	Number of Flash Files
Adaptation & Competition	3
Behaviour	6
Blood & Transport	22
Breathing & Gas Exchange	14
Carbon & Nitrogen Cycle	2
Cells Tissues Organs	7
Classification	34
Diet & Digestion	29
Disease & Immunity	7
DNA & the Genetic Code	6
Drugs	40
Effects of Exercise	6
Energy Cycle & Biomass	4
Environment & Sustainability	14
Enzymes-Metabolic Catalysts	4
Evolution & Natural Selection	1
Genetic Engineering	5
Homeostasis	1
Human Reproduction	11
Inheritance - Human	11
Inheritance - Mendelian	4
Metabolism, Health & Fitness	9
Microbes	7
Musculo-skeletal	24
Nervous System	7
Plant Nutrition	13
Transplant Surgery	2
Transport Across Cell Boundaries	10
Variation - Sources & Types	4
Total Flash Animations	307

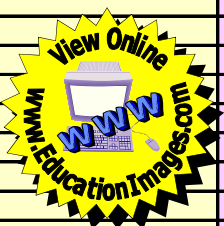




At very low light intensities, some photosynthesis will occur using some of the carbon dioxide released by respiration, so the net gas exchange will still show uptake of oxygen and release of carbon dioxide.

16-18 PACK
380 FLASH FILES

**ENGAGE YOUR STUDENTS WITH ANIMATED GRAPHS AND
PAUSE ON ANY SCENE FOR DISCUSSION AND QUESTIONS**

Biology Flashkit (16-18) Categories/Topics	Number of Flash Files
Behaviour & Learning	2
Biotechnology	15
Cell Division & Growth	8
Circulatory System	22
Diet & Digestion	16
Disease - Communicable	11
Disease - General	6
Disease - Non-communicable	12
DNA & RNA	7
Ecosystems & Sustainability	15
Effects of Exercise	17
Enzymes	5
Evolution & Carbon Dating	3
Homeostasis	12
Human Locomotion	34
Human Reproduction	5
Immunity	1
Mendelian Inheritance	15
Microbial Population Growth	8
Musculo-skeletal	27
Nervous System	13
Photosynthesis	15
Protein Synthesis	27
Respiration & Metabolism	17
Taxonomy	3
Transport Across Cell Boundaries	11
Transport of Soluble Substances - Animals	23
Transport of Soluble Substances - Plants	17
Variation	13
Total Flash Animations	380



The collage includes several educational graphics:

- Comparison of Transpiration Rates:** A line graph showing transpiration rates for Syzygium, Polygonatum, and Laurel.
- Line Graph To Show Changes In Oxygen Consumption Due To Temperature Change:** A line graph showing oxygen consumption for a cat and a lizard at different temperatures.
- Classification - Human Taxonomy:** A hierarchical list of taxonomic levels from Order to Species.
- Medulla Thickness for Various Mammals:** A bar chart showing relative medulla thickness and urine concentration for Beaver, Pig, Human, Cat, and Rat.
- Stroke Volume and Exercise:** A line graph showing stroke volume (ml/beat) vs treadmill speed (km/h).
- A Bar Chart to Show the Effect of Shelter Size on Beetle Populations:** A stacked bar chart for Species A and B.
- The Effect of Cellulase on the Clarification of Grape Juice:** A line graph showing volume of clarified juice over time with and without cellulase.
- The Effect Of Organic Acids On Mitochondrial Oxygen Uptake:** A bar chart showing oxygen uptake for different organic acid treatments.
- The Effect Of Seawater Concentration On The Contractile Vessels In Amoeba:** A line graph showing the number of heartbeats per minute vs seawater concentration.
- Diagram of Active Transport:** A diagram showing molecules moving from a low concentration area to a high concentration area against a gradient.
- Chemical Structure:** A ball-and-stick model of a molecule.

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The standard **Site Licence** allows all staff to have access to the FlashKit and to incorporate the animations into presentations or 'lessons' made using all leading makes of interactive whiteboard software. The **Site Licence** allows installation on an unlimited number of standalone (includes laptops) or networked computers on a single school site. The **VLE licence** is required to make the FlashKit, or lesson resources derived from them, available to students to access from home via your secure VLE.

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PRODUCT	STOCK CODE	DESCRIPTION (PC WINDOWS ONLY)	COST: (£) Ex. VAT	COST: (£) Inc. VAT	QTY	SUB TOTAL Inc. VAT
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	BK12V	Biology FlashKit (Students 11-16) CD ROM + Site & VLE Licences	£150	£180.00		
Bio FlashKit (16-18) Version 2.0 <small>FOR STUDENTS AGED 16-18</small>	BK3	Biology FlashKit (Students 16-18) (380 Flash Animations/Exercises) CD ROM + Site Licence	£100	£120.00		
	BK3V	Biology FlashKit (Students 16-18) CD ROM + Site & VLE Licences	£150	£180.00		
Super Bundle! <small>FOR STUDENTS AGED 11-18</small>	BK123	Biology FlashKit (Students 11-18) (Over 680 Flash Files in BK12 & BK3) CD ROM + Site Licence	£180	£216.00		
	BK123V	Biology FlashKit (Students 11-18) (Over 680 Flash Files in BK12 & BK3) CD ROM + Site & VLE Licences	£280	£336.00		

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