

B2: Understanding our environment

Topic: B2a Classification

- the variety of living things.
 - classification and classification systems.
<http://science.discovery.com/tv-shows/greatest-discoveries/videos/100-greatest-discoveries-classification-of-species.htm>
http://www.bbc.co.uk/schools/gcsebitesize/science/ocr_gateway/understanding_environment/classificationrev1.shtml
 - evolutionary relationships
 - species
 - variation between species
 - evolutionary trees
 - food chains, webs, pyramids of number
- Lonsdale revision guide pages 24 and 25

Topic: B2b Energy loss

- energy loss in food chains
 - energy flow through food chains and webs
 - excretory products and food chains.
- http://www.bbc.co.uk/schools/gcsebitesize/science/ocr_gateway/understanding_environment/energyflowrev1.shtml
- Lonsdale revision guide pages 26 and 27

Topic: B2c Recycling

- recycling, carbon cycle
<http://www.informationtamers.com/images/Carbon-cycle-concept-map.jpg>
 - decay and decomposition
 - nitrogen fixing
 - uses of nitrogen
 - the nitrogen cycle
- HTTP://WWW.BBC.CO.UK/SCHOOLS/GCSEBITESIZE/SCIENCE/OCR_GATEWAY/UNDERSTANDING_ENVIRONMENT/RECYCLINGREV1.SHTML
- Lonsdale revision guide pages 28 and 29

Topic: B2d Interdependence

- predator prey relationships

[HTTP://WWW.BBC.CO.UK/LEARNINGZONE/CLIPS/PREDATOR-PREY-RELATIONSHIPS-BARN-OWLS/202.HTML](http://www.bbc.co.uk/learningzone/clips/predator-prey-relationships-barn-owls/202.html)

- cleaner species mutualism

<http://www.bbc.co.uk/learningzone/clips/symbiosis-between-tortoises-and-finches/10536.html>

- parasitism

[HTTP://WWW.BBC.CO.UK/SCHOOLS/GCSEBITESIZE/SCIENCE/OCR_GATEWAY/UNDERSTANDING_ENVIRONMENT/INTERDEPENDENCEREV1.SHTML](http://www.bbc.co.uk/schools/gcsebitesize/science/ocr_gateway/understanding_environment/interdependencerev1.shtml)

Lonsdale revision guide pages 30 and 31

Topic: B2e Adaptations

- the changing environment.
- adaptations to environment.

<http://sciencestage.com/v/24466/animal-anti-freeze.html>

- habitats

<http://www.bacteriamuseum.org/cms/Evolution/extremophiles.html>

- predator/prey relationships
- adaptations.
- climate change and competition.

http://www.bbc.co.uk/schools/gcsebitesize/science/ocr_gateway/understanding_environment/adaptationsrev1.shtml

Lonsdale revision guide pages 32 and 33

Topic: B2f Natural selections

- natural selection
- what is evolution
- speciation

<http://www.biologycorner.com/worksheets/pepperedmoth.html>

- natural selection

<http://www.sciencekids.co.nz/sciencefacts/scientists/charlesdarwin.html>

<http://encyclopedia.kids.net.au/page/la/Lamarck>

- evolution and extinction
- changes in environments
- speciation **ht only**

[HTTP://EN.WIKIPEDIA.ORG/WIKI/HUMAN_EVOLUTION](http://en.wikipedia.org/wiki/Human_evolution)

[HTTP://WWW.BBC.CO.UK/SCHOOLS/GCSEBITESIZE/SCIENCE/OCR_GATEWAY/
UNDERSTANDING_ENVIRONMENT/NATURAL_SELECTIONREV1.SHTML](http://www.bbc.co.uk/schools/gcsebitesize/science/ocr_gateway/understanding_environment/natural_selectionrev1.shtml)

- human population

[HTTP://ENCYCLOPEDIA.KIDS.NET.AU/PAGE/LA/LAMARCK](http://encyclopedia.kids.net.au/page/LA/LAMARCK)

- human population and carbon footprint
- global warming
- ozone depletion
- acid rain

- carbon dioxide
- pollution
- indicator species

<http://www.ewart.org.uk/biology/index.php?l=4>

http://www.bbc.co.uk/schools/gcsebitesize/science/ocr_gateway/understanding_environment/population_pollutionrev1.shtml

Lonsdale revision guide pages 34 to 37

Topic: B2h Sustainability

- extinction and endangerment

[HTTP://WWW.BBC.CO.UK/APPS/IFL/LEARNINGZONE/CLIPS/QUERYENGINE?
CONTENTTYPE=TEXT%2FHTML%3B+CHARSET%3DUTF-
8&SUPPRESSCACHING=1&PAGE=1&PAGESIZE=12&RESULTS=SEARCH&CONFIG=
RESULTS_PRE&ATTRIB_1=SCHOOL_LEVEL_NAME&OPER_1=EQ&VAL_1_1=&ATT
RIB_2=SUBJECT_NAME&OPER_2=EQ&VAL_2_1=&ATTRIB_3=TOPIC&OPER_3=EQ&
VAL_3_1=&ATTRIB_4=SEARCHTEXT&OPER_4=EQ&VAL_4_1=EXTINCTION](http://www.bbc.co.uk/apps/IFL/LEARNINGZONE/CLIPS/QUERYENGINE?CONTENTTYPE=TEXT%2FHTML%3B+CHARSET%3DUTF-8&SUPPRESSCACHING=1&PAGE=1&PAGESIZE=12&RESULTS=SEARCH&CONFIG=RESULTS_PRE&ATTRIB_1=SCHOOL_LEVEL_NAME&OPER_1=EQ&VAL_1_1=&ATTRIB_2=SUBJECT_NAME&OPER_2=EQ&VAL_2_1=&ATTRIB_3=TOPIC&OPER_3=EQ&VAL_3_1=&ATTRIB_4=SEARCHTEXT&OPER_4=EQ&VAL_4_1=EXTINCTION)

- whale biology

[HTTP://WWW.ARKIVE.ORG/EXPLORE/SPECIES?Q=WHALES#SPECIES?Q=WHAL
ES&_SUID=135518326062906555445491934992](http://www.arkive.org/explore/species?q=whales#species?q=whales&_SUID=135518326062906555445491934992)

[HTTP://WWW.BBC.CO.UK/SEARCH/NEWS/WHALING?VIDEO=ON](http://www.bbc.co.uk/search/news/whaling?video=on)

- sustainable development
- conservation projects (standard and ht only)

[HTTP://WWW.BBC.CO.UK/SCHOOLS/GCSEBITESIZE/SCIENCE/OCR_GATEWAY/
/UNDERSTANDING_ENVIRONMENT/SUSTAINABILITYREV1.SHTML](http://www.bbc.co.uk/schools/gcsebitesize/science/ocr_gateway/understanding_environment/sustainabilityrev1.shtml)

Lonsdale revision guide pages 38 and 39