**Year 7 Curriculum Map – Easter to May half term**

Biology – Variation and Classification, Chemistry – Pure and Impure Substances and Physics – Energy Resources.

**Diigo is an online resource hub – explore to find out more below**

<https://www.diigo.com/outliner/11fb39/Learn%3A-Science?key=dli34d68am>

<https://www.schoolscience.co.uk/home>

**Biology - Variation and Classification**

<https://www.bbc.co.uk/bitesize/guides/z9gk87h/revision/1>

**Classification**

**Video**

<https://www.khanacademy.org/science/in-in-class-11-biology-india/x9d1157914247c627:the-living-world/x9d1157914247c627:nomenclature-and-taxonomy/v/evolution-classification-link-heredity-evolution-biology-khan-academy>

**Biology School Library Books**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Barcode** | **Class** | **Author** | **Title** | **Media** | **URL** |
| 14612 | 591.472 | Weber, Belinda | Animal Disguises | Paperback |  |
| 18366 | 591.472 | Weber, Belinda | Animal Disguises | Paperback |  |
| 12589 | 591.4 | Burnie, David | Animal Reproduction | Hardback |  |
| 18967 | 590 | Gray, Leon | Animals | Paperback |  |
| 14611 | 599.8 | Taylor, Barbara | Apes and Monkeys | Paperback |  |
| 18372 | 599.8 | Taylor, Barbara | Apes and Monkeys | Paperback |  |
| 18871 | 570 | Fullick, Ann | AQA GCSE Biology | Paperback |  |
|  |  |  | BBC Education AS-Level Guru | Website | http://www.bbc.co.uk/asguru |
| 14834 | 371.26 | James Mary | Biology | Paperback |  |
| 12549 | 371.26 | James Mary | Biology | Paperback |  |
|  |  |  | Biozone International | Website | http://www.biozone.co.uk |
| 15343 | 574 |  | Bloody Bones and Body Bits | Paperback | http:// |
| 5179 | 500 | Chisholm, Jane | Book of Science | Hardback |  |
| 18781 | 598 | Thomas, Isabel | Brilliant Birds | Paperback |  |
| 3059 | 574.03 | Gutteridge, A C | Cambridge Illustrated Thesaurus of Biology | Hardback |  |
| 14844 | 636 | Ogle, Belinda | Cockatiels | Paperback |  |
| 18783 | 595.7 | Thomas, Isabel | Crazy Creepy Crawlies | Paperback |  |
| 3054 | 574 | Stockley, C | Dictionary of Biology | Paperback |  |
| 14316 | 636.93 | Day, Trevor | Extreme Science: Pets Parents Hate: Animal Life Cycles | Paperback |  |
| 18784 | 597 | Thomas, Isabel | Fantastic Fish | Paperback |  |
| 2536 | 338 | Millerchip, D | Food Resources of Man, The | Paperback |  |
| 12546 | 371.26 | Parsons Richard | G.C.S.E.Double Science,Biology | Paperback |  |
| 18881 | 570 | CGP Books | GCSE Biology AQA Revision Guide (with Online Edition) | Paperback |  |
| 2974 | 574 | Barker, M | GCSE. Biology | Paperback |  |
| 2975 | 574 | Barker, M | GCSE. Biology | Paperback |  |
| 14622 | 572.86 | Walker, Richard | Genes and DNA | Paperback |  |
| 9957 | 582.16 | Harding,Patrick | How to Identify Trees | Paperback |  |
| 13291 | 612 | Various | Human Biology | Paperback |  |
| 19087 |  | Farndon, John | Human Body Poster Book: Ultimate Guide to How the Body Works | Spiral bound |  |
| 14272 | 592 | Cheshire, Gerard | Jellyfish | Paperback |  |
| 10817 | 590 | Smith,Miranda | Living Earth | Hardback |  |
| 9016 | 574 | Fowke, B | Living Things | Paperback |  |
| 15354 | 574 | Arnold, Nick | Microscopic Monsters | Paperback | http:// |
| 15346 | 574 | Arnold, Nick | Nasty Nature | Paperback | http:// |
| 10310 | 591 | Arnold, Nick | Nasty Nature | Paperback |  |
| 18884 | 570.76 | Ryan, Lawrie | New AQA GCSE Biology Revision Guide | Paperback |  |
| 19735 |  |  | New Grade 9-1 GCSE Biology for AQA: Student Book with Interactive Online Edition | Paperback |  |
| 15957 | 570.76 |  | New Grade 9-1 GCSE Biology: AQA Exam Practice Workbook (with Answers) | Paperback |  |
| 14891 | 636 | Heathcote, Peter | Salamanders | Paperback |  |
| 15225 | 612 |  | The Human Body | Hard back |  |
| 15290 | 551.6 | Pipe Jim | Weather and Climate | Paperback |  |
| 14218 | 551.6 | Pipe Jim | Weather and Climate | Paperback |  |
| 14292 | 551.6 | Pipe Jim | Weather and Climate | Paperback |  |
| 18367 | 599.5 | Harris, Caroline | Whales and Dolphins | Paperback |  |
| 14610 | 599.5 | Harris, Caroline | Whales and Dolphins | Paperback |  |
| 17319 | 577 | Kalman Bobbie | What Is A Biome? | Paperback |  |
| 17318 | 577 | Kalman Bobbie | What Is A Biome? | Paperback |  |
| 14278 | 577 | Butterfield, Moira | Who Eats Who in Grasslands? | Paperback |  |
| 15232 | 591.7616 | Campbell, Andrew | Who Eats Who in Rivers and Lakes? | Paperback |  |
| 15237 | 577 | Campbell, Andrew | Who Eats Who in the Desert? | Paperback |  |
| 14295 | 577 | Snedden, Robert | Who Eats Who in the Rainforest? | Paperback |  |
| 16602 | 590 | Various Contributors | Why Do Fish Have Gills? | Book |  |

**Chemistry - Pure and Impure Substances**

BBC Bite Size Video - <https://www.bbc.co.uk/iplayer/episode/p08gd9lw/bitesize-1112-year-olds-week-7-3-pure-and-impure-substances>

**Chemistry - School Library Books**

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| **Barcode** | **Class** | **Author** | **Title** | **Media** | **URL** |
| 18880 | 540 | Fullick, Patrick | AQA GCSE Chemistry | Paperback |  |
| 13389 | 662.2 | Brown G.I. | Big Bang, The | Paperback |  |
| 5179 | 500 | Chisholm, Jane | Book of Science | Hardback |  |
| 8188 | 540 | Arnold, N | Chemical Chaos | Paperback |  |
| 12541 | 371.26 | McDuell Bob | Chemistry | Paperback |  |
| 12550 | 371.26 | Poole Emma | Chemistry | Paperback |  |
| 12552 | 371.26 | James Mary | Chemistry | Paperback |  |
| 4632 | 540 | Walters, D | Chemistry | Hardback |  |
| 14835 | 371.26 | James Mary | Chemistry | Paperback |  |
| 6065 | 540 | Newmark, A | Chemistry | Hardback |  |
| 13286 | 540 | Various | Chemistry and the Elements | Paperback |  |
| 2872 | 540.151 | Sykes, A Hunt, J A | Chemistry Calculations | Hardback |  |
|  |  |  | Chemistry Video Consortium | Website | http://www.rsc.org/is/cvc/chemimg.htm |
|  |  |  | ComicBook Periodic Table | Website | http://www.uky.edu/Proiects/Chemcomics |
| 2871 | 540 | Wertheim, J | Dictionary of Chemistry | Paperback |  |
| 12547 | 371.26 | Parsons Richard | G.C.S.E.Double Science,Chemistry | Paperback |  |
| 18876 | 540 | CGP Books | GCSE Chemistry AQA Revision Guide (with Online Edition) | Paperback |  |
| 2895 | 540.76 | Saddler, J McElroy, M | GCSE. Chemistry | Paperback |  |
| 2865 | 540 | Chisholm, J | Introduction to Chemistry | Hardback |  |
| 2870 | 540 | Godman, A | Longman Illustrated Dictionary of Chemistry | Hardback |  |
| 18883 | 540.76 | Ryan, Lawrie | New AQA GCSE Chemistry Revision Guide | Paperback |  |
| 19740 |  |  | New Grade 9-1 GCSE Chemistry for AQA: Student Book with Interactive Online Edition | Paperback |  |
| 19733 |  |  | New Grade 9-1 GCSE Chemistry for AQA: Student Book with Interactive Online Edition | Paperback |  |
| 15955 | 540.76 |  | New Grade 9-1 GCSE Chemistry: AQA Exam Practice Workbook (with Answers) | Paperback |  |
| 7227 | 500 | Oxlade, C & Parker, S | Pocket Science | Hardback |  |
| 15860 | 546.8 | Still, Dr. Ben | Secret Life of the Periodic Table, The | Paperback |  |
| 19984 | 540 | O'Brien, Pat | Target Science: Chemistry: Foundation Tier | Paperback |  |
|  |  |  |  |  |  |
| 13187 | 540 | Keeler James & Wothers Peter | Why Chemical Reactions Happen | Paperback |  |

**Physics - Energy Resources**

**Credo Reference -** <https://search.credoreference.com/search/all?searchPhrase=Energy%20Resources>

**BBC Bitesize**

* What is domestic energy?
* What is solar energy?
* Find out about solar energy and how we use it to generate electricity.
* What is combustion?
* A visual explanation of combustion.
* Energy in the home
* Fuels and energy resources
* Energy stores and transfers

**Energy** - <https://www.bbc.co.uk/bitesize/topics/zc3g87h>

**Energy Videos** - <https://www.bbc.co.uk/bitesize/topics/zc3g87h/resources/1>

What are forces?

* Find out about different types of forces.
* Learn about gravity.
* What is pressure?
* How to explain forces
* How to show the difference between force and pressure
* What is water pressure?
* How to weigh a floating object without scales
* Find out about magnetism.
* How to show pressure exists in liquids
* Find out how to show pressure exists in liquids with this step-by-step demonstration.
* Motion
* Forces
* Pressure

**Forces and movement** <https://www.bbc.co.uk/bitesize/topics/z4brd2p>

**Videos -** <https://www.bbc.co.uk/bitesize/topics/z4brd2p/resources/1>

**Physics - School Library Books**

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| Barcode | Class | Author | Title | Media | URL |
| 11895 | 920 | Mayes Frances | Albert Einstein - Spilling the Beans on | Paperback |  |
|  |  |  | Amusement Park Physics | Website | http://www.learner.org/exhibits |
| 5179 | 500 | Chisholm, Jane | Book of Science | Hardback |  |
| 19141 | 530.092 | Saunders, Etta | Brian Cox | Hardback |  |
| 7470 | 500 | Hawking, Steven | Brief History of Time, A | Paperback |  |
| 9075 | 920 | Strathern, P | Curie & Radioactivity | Paperback |  |
| 2839 | 530 | Oxlade, C | Dictionary of Physics | Hardback |  |
| 2886 | 531 | Ardley, N | Force and Strength | Hardback |  |
| 13094 | 530 | Variuos | Forces and Movement | Paperback |  |
| 18872 | 530.076 | CGP Books | GCSE Core and Additional Physics Essential Formula Practice | Paperback |  |
| 18877 | 530 | CGP Books | GCSE Physics AQA Revision Guide (with Online Edition) | Paperback |  |
| 15575 | 530 | CGP Books | GCSE Physics AQA Revision Guide (with Online Edition) | Paperback |  |
|  |  |  | GCSE Revision | Website | http://www.gcse.com |
| 2867 | 530 Ref | Detheridge, M V Nelkon, M | GCSE. Physics | Paperback |  |
| 2859 | 530.76 | Maunder, C | GCSE. Physics | Paperback |  |
| 13269 | 530 | Various | Light and Energy | Paperback |  |
| 5059 | 530 | Taylor, L J | Looking Into Materials | Paperback |  |
| 12557 | 371.26 | Parsons Richard | Neab Physical Processes | Paperback |  |
| 18878 | 530 | Ryan, Lawrie | New AQA GCSE Physics | Paperback |  |
| 18882 | 530.076 | Ryan, Lawrie | New AQA GCSE Physics Revision Guide | Paperback |  |
| 19734 |  | , | New Grade 9-1 GCSE Physics for AQA: Student Book with Interactive Online Edition | Paperback |  |
| 15948 | 530.76 | , | New Grade 9-1 GCSE Physics: AQA Exam Practice Workbook | Paperback |  |
| 12558 | 371.26 | James Mary | Physics | Paperback |  |
| 12548 | 371.26 | Booth Graham | Physics | Paperback |  |
| 4631 | 530 | Henbest, N Couper, H | Physics | Hardback |  |
| 15353 | 530 | Arnold, Nick | Shocking Electricity | Paperback | http:// |
| 11462 | 523 | Cheshire, Gerard | Solar System and Beyond, The | Paperback |  |
| 7536 | 534 | Arnold, N | Sounds Dreadful | Paperback |  |
| 16603 | 530 |  | Why Do Liquids Change To Gas? | Book |  |