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| **Year** | **Term 1** |  | **Term 2** |  | **Term 3** |
|  |  |
| **7** | * Matter - Particle model and separating mixtures * Reactions - metals, non-metals and acids-alkali * Earth - structure and universe |  | * Forces - Speed and Gravity * Electromagnetism - Voltage, resistance and current * Energy - energy costs and energy transfer * Waves - Sound and light |  | * Organisms - Movement and cells * Ecosystems - interdependence and plant reproduction * Genes - variation and human reproduction |
| **8** | * Organisms - breathing and digestion * Ecosystems - respiration and photosynthesis * Genes - Evolution and inheritance |  | * Matter - Periodic table and elements * Reaction - chemical energy and types of reaction * Earth - climate and Earth's resources |  | * Forces - contact forces and pressure * Electromagnetism - magnetism and electromagnetism * Energy - work, heating and cooling * Waves - wave effects and wave properties |

**Autumn 2019**

**General: http://www.aqa.org.uk/resources/science/ks3/teach/textbooks (Textbooks)**

**https://www.cgpbooks.co.uk/Parent/books\_ks3\_science (Revision guides, workbooks, practise papers)**

**https://www.youtube.com/channel/UCobgOt3poNKlml3Y5TnVU8Q (Youtube channel)**

*For good extra resources type KS3 'Topic name' into the search engine. This will ensure your child sees information relevant to their level of education. (e.g. KS3 Separating mixtures)*

**Matter - Particle model and separating mixtures**

* https://www.bbc.com/bitesize/guides/z2wmxnb/revision/1
* https://www.bbc.com/bitesize/guides/zgvc4wx/revision/1
* https://www.youtube.com/watch?v=NJYnoXUWa2o
* <https://www.youtube.com/watch?v=1zrBpVFvRbM>
* <https://www.youtube.com/watch?v=nxRGahK7B48>
* <https://www.youtube.com/watch?v=277Jzp-6DEA>

**Reactions - metals, non-metals, acid-alkali**

* https://www.bbc.com/bitesize/guides/z84wjxs/revision/4
* https://www.educationquizzes.com/ks3/science/metals-and-non-metals-01/
* https://www.bbc.com/bitesize/topics/zn6hvcw
* https://www.bbc.com/bitesize/guides/z89jq6f/revision/3
* <https://www.youtube.com/watch?v=d_QLsUlmqdM>
* <https://www.youtube.com/watch?v=PvfnMxAJW_0>
* https://www.youtube.com/watch?v=xfOFbSt\_Q7s

**Earth - structure and universe**

* https://www.bbc.com/bitesize/guides/zysbgk7/revision/1
* https://www.bbc.com/bitesize/guides/zyhv4wx/revision/1
* https://www.bbc.com/bitesize/guides/z8wx6sg/revision/1
* https://www.youtube.com/watch?v=xYmGKNjeSbk
* https://www.youtube.com/watch?v=HqjwajLN2\_Q
* https://www.youtube.com/watch?v=YxGgkF582rI
* https://www.youtube.com/watch?v=2IMSjEs8qww

**Organisms - breathing and digestion**

* <http://www.bbc.co.uk/education/topics/zf339j6>
* <http://www.bbc.co.uk/schools/gcsebitesize/pe/exercise/2_exercise_effectsoftraining_rev1.shtml>
* <http://www.bbc.co.uk/education/topics/zvrrd2p>
* https://www.youtube.com/watch?v=Nwz4EaO5H2Y
* https://www.youtube.com/watch?v=kFx9a3TSvXg
* https://www.youtube.com/watch?v=gc2jTbj0Jac

**Ecosystems - respiration and photosynthesis**

* https://www.bbc.com/bitesize/guides/zq349j6/revision/1
* https://www.bbc.com/bitesize/topics/zvrrd2p
* https://www.bbc.com/bitesize/guides/zpwmxnb/revision/1
* https://www.youtube.com/watch?v=3pD68uxRLkM
* https://www.youtube.com/watch?v=78WP7803Fg8
* https://www.youtube.com/watch?v=CjLzQNtKnN8
* https://www.youtube.com/watch?v=LEQqd91uWsY

**Genes - Evolution and inheritance**

* https://www.bbc.com/bitesize/topics/zpffr82
* https://www.bbc.com/bitesize/guides/z9gk87h/revision/1
* https://www.bbc.com/bitesize/guides/zw9jq6f/revision/1
* https://www.youtube.com/watch?v=5XuiboCs0TA
* https://www.youtube.com/watch?v=GhHOjC4oxh8
* https://www.youtube.com/watch?v=vnktXHBvE8s
* <https://www.richarddawkins.net/2018/09/excellent-and-simple-explanation-of-natural-selection/>
* <https://www.richarddawkins.net/2019/01/myths-and-misconceptions-about-evolution/>
* <https://www.richarddawkins.net/2018/08/fact-vs-theory-vs-hypothesis-vs-law-explained-itsokaytobesmart/>