

Year 7:

Design

movements: [http://www.hartismere.com/view/1489PC4ZF10.pdf/Design Movements Timeline](http://www.hartismere.com/view/1489PC4ZF10.pdf/Design_Movements_Timeline)(opens in new tab)

Influential designers: www.technologystudent.com(opens in new tab)

Benefits of upcycling: <https://environmentjournal.online/articles/the-upside-to-upcycling/>(opens in new tab)

Biomimicry in architecture: <https://www.arch2o.com/biomimicry-enhances-architecture/>(opens in new tab)

Year 8:

Reducing single use plastics: <https://www.greenpeace.org.uk/challenges/plastic-pollution/>(opens in new tab)

Automated

production: <https://www.britannica.com/technology/automation/Robots-in-manufacturing>(opens in new tab)

Year 9:

Energy, electricity and the environment: <http://yppe.org.uk/factsheets/renewable-energy/fossil-fuels-non-renewable>(opens in new tab)

The benefits of CAD design: <https://www.procore.com/jobsite/what-is-computer-aided-design-cad-and-why-its-important/>(opens in new tab)

GCSE:

Energy generation: <https://www.studentenergy.org/map>(opens in new tab)

Material properties: [https://www.the-](https://www.the-warren.org/AlevelRevision/engineering/materials1.htm)

[warren.org/AlevelRevision/engineering/materials1.htm](https://www.the-warren.org/AlevelRevision/engineering/materials1.htm)(opens in new tab)

New and emerging

technologies: <https://www.bbc.co.uk/bitesize/guides/zn4bcj6/revision/1>(opens in new tab)

Ethics in design: <https://slate.com/technology/2018/08/ethics-in-design-what-exactly-does-that-mean.html>(opens in new tab)

Iterative design: <https://www.interaction-design.org/literature/article/design-iteration-brings-powerful-results-so-do-it-again-designer>(opens in new tab)

Design principles and their

importance: <https://www.toptal.com/designers/ui/principles-of-design>