

PRE-COURSE ACTIVITIES	
SUBJECT	BTEC Applied Science AAQ (extended certificate)
<i>We are delighted that you are keen on studying BTEC AAQ Applied Science and we look forward to working with you over the next two years. Remember that the entry requirements for BTEC Applied Science are Grade 5:5 in Combined Science and grade 5 in English and Maths is desirable.</i> <i>Good luck in your GCSE's, from Dr Smethurst and Mr Hughes (Teachers of BTEC Applied Science).</i>	
WATCH THIS	Making use of electromagnetic spectrum https://www.youtube.com/watch?v=rJ_pmD61uKQ
LISTEN TO THIS	How plants grow https://www.bbc.co.uk/sounds/brand/p03kc6w4
READ THIS	Real life problems https://www.bbc.co.uk/future/article/20170713-what-will-the-challenges-of-2050-be There are lots of other interesting videos on how science has impacted contemporary issues...see what interesting examples you can find!
DO THIS	Retain your GCSE science knowledge by regularly using online quizzes such as the ones below https://www.bbc.co.uk/bitesize/topics/z48v46f/articles/zbstfdm#zsyqtcw
LEARN THIS	Atomic structure basics https://chemrevise.org/wp-content/uploads/2018/12/4-1-atomic-structure-and-periodic-table.pdf Cell structure basics https://www.gcse.co.uk/cells/ Electrical circuits https://www.revisely.com/gcse/physics/aqa/notes/electricity/circuits

**ANSWER
THIS**

Give examples of substances that contain ionic, simple covalent and giant covalent bonding. Describe the structure and properties of each.