



# HOMework

SCIENCE KS3

BRAMHALL HIGH SCHOOL

**Aim:**

Students will be set either a biology, a chemistry or a physics homework once a fortnight in rotation. These will be designed to promote a passion for science, to encourage pupils to research and find answers for themselves and to consolidate, extend and apply what has been learnt in class.

**Types of regular homework at KS3:**

- Consolidation worksheets and activities
- Application of new knowledge tasks
- Research tasks
- Creating displays and models
- Online learning (Seneca and Active learn tasks)
- Revision

**Marking and feedback:**

- Extended worksheet questions will be teacher marked and assessed to a grade with targets for improvement as appropriate
- Others will be teacher assessed out of a maximum number.
- Activities which lend themselves to it may be peer or self-assessed – with the teacher providing modelled answer in class
- Online learning will be auto marked as you complete it
- Research, consolidation and revision homework will be checked for completion but won't be graded, teachers will include targets for improvement where this is appropriate.

**Recommended wider reading:****KS3**

- BBC Bitesize – KS3 biology - [KS3 Biology - BBC Bitesize](#)
- BBC Bitesize - KS3 chemistry - [KS3 Chemistry - BBC Bitesize](#)
- BBC Bitesize – KS3 physics - [KS3 Physics - BBC Bitesize](#)
- BBC Science & Environment News - [www.bbc.co.uk/news/science\\_and\\_environment](http://www.bbc.co.uk/news/science_and_environment)
- BBC Science Focus Magazine - [www.sciencefocus.com/](http://www.sciencefocus.com/)
- Catalyst Magazine – [www.catalyst-magazine.org/](http://www.catalyst-magazine.org/)
- Seneca learning – [www.senecalearning.com](http://www.senecalearning.com)
- Pearson Activelearn software– [www.pearsonactivelearn.com](http://www.pearsonactivelearn.com)
- Focus science software (practicals activities, animations, videos etc) - [Focus eLearning by Focus Educational Software Ltd.](#)
- TED ED - <https://www.youtube.com/teded/featured>
- In a nutshell - <https://www.youtube.com/user/Kurzgesagt>

**Books:**

- Bill Bryson – A really short history of nearly everything
- Jared Diamond – The third chimpanzee
- Adam Kay – Kay's Anatomy
- Sara Gillingham – Exploring the Elements: A complete guide to the periodic table

- Rachel Ignotofsky – Women in science
- Stephen & Lucy Hawking – Unlocking the Universe
- Professor Brian Cox – Forces of Nature
- Professor Brian Cox – Wonders of Life
- Richard Dawkins – The Magic of Reality
- Jonny Keeling – Seven World One Planet
- Stephen Moss – Dynasties
- Sir David Attenborough – Amazing Rare things