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Description automatically generated**Revision Guidance: Preparation for Summative Assessment 1 Autumn 2025**

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| **Y8 Science** | | |
| **Assessment information:** | You will complete an exam paper with multiple choice questions and  some longer written questions.  **There will be content from year 7 and year 8** | |
| **Revision Guide is available on Parent Pay** | | |
| **Please revise the following topic** | | **Topic Revision/Links** |
| Cells | | BBC bitesize  Animal and plant cells  <https://www.bbc.co.uk/bitesize/topics/znyycdm/articles/zkm7wnb>  Specialised animal cells  <https://www.bbc.co.uk/bitesize/topics/znyycdm/articles/zfj3rwx>  Specialised plant cells  <https://www.bbc.co.uk/bitesize/topics/znyycdm/articles/z2vrr2p>  Unicellular organisms  <https://www.bbc.co.uk/bitesize/topics/znyycdm/articles/z4f26yc>  How to observe cells under a microscope  <https://www.bbc.co.uk/bitesize/topics/znyycdm/articles/zbm48mn> |
| Distance time graphs | | BBC bitesize  <https://www.bbc.co.uk/bitesize/topics/zdbc87h/articles/znghsrd> |
| Earth’s structure | | BBC bitesize  <https://www.bbc.co.uk/bitesize/topics/z3fv4wx/articles/z9qpsk7> |
| Electricity | | BBC bitesize  Introduction to circuits  <https://www.bbc.co.uk/bitesize/topics/zgy39j6/articles/zjm8kty>  Models of electrical circuits  <https://www.bbc.co.uk/bitesize/topics/zgy39j6/articles/z2tjwnb>  Series Circuits  <https://www.bbc.co.uk/bitesize/topics/zgy39j6/articles/zs3htrd>  Parallel circuits  <https://www.bbc.co.uk/bitesize/topics/zgy39j6/articles/z34yf82>  Electrical current and potential difference  <https://www.bbc.co.uk/bitesize/topics/zgy39j6/articles/zd9d239>  Resistance  <https://www.bbc.co.uk/bitesize/topics/zgy39j6/articles/z6n27yc> |

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| Energy | BBC bitesize  <https://www.bbc.co.uk/bitesize/topics/zc3g87h/articles/zg2sn9q> |
| Food chains and webs | BBC bitesize  <https://www.bbc.co.uk/bitesize/topics/zxhhvcw/articles/zjh4r2p> |
| Graphs and line of best fit | [Scatter diagrams - KS3 Maths - BBC Bitesize](https://www.bbc.co.uk/bitesize/articles/z8prdnb) |
| Light and sound | BBC bitesize  Features of a wave  <https://www.bbc.co.uk/bitesize/topics/zw982hv/articles/zh28jsg>  Reflection  <https://www.bbc.co.uk/bitesize/topics/zw982hv/articles/zb8jmbk>  Visible light  <https://www.bbc.co.uk/bitesize/topics/zw982hv/articles/zryrkhv>  Introduction to sound waves  <https://www.bbc.co.uk/bitesize/topics/zw982hv/articles/zpm3r2p>  Human ear and sound waves  <https://www.bbc.co.uk/bitesize/topics/zw982hv/articles/zsg26g8> |
| Particle model | BBC bitesize  Solids, liquids and gases  <https://www.bbc.co.uk/bitesize/topics/z9r4jxs/articles/zqpv7p3>  Change of state  <https://www.bbc.co.uk/bitesize/topics/z9r4jxs/articles/zyhntrd>  Gas pressure  <https://www.bbc.co.uk/bitesize/topics/z9r4jxs/articles/zgh3ydm> |
| Respiration and breathing | BBC bitesize  Structure and function of the gas exchange system  <https://www.bbc.co.uk/bitesize/topics/zvrrd2p/articles/zk9t6g8>  Respiration  <https://www.bbc.co.uk/bitesize/topics/zvrrd2p/articles/zdqx2v4>  Process of breathing  <https://www.bbc.co.uk/bitesize/topics/zvrrd2p/articles/zbhcg7h>  Anaerobic respiration  <https://www.bbc.co.uk/bitesize/topics/zvrrd2p/articles/zcsbmsg>  Lactic acid  <https://www.bbc.co.uk/bitesize/topics/zvrrd2p/articles/ztdmrwx>  The effect of asthma, smoking and exercise on the gas exchange  <https://www.bbc.co.uk/bitesize/topics/zvrrd2p/articles/z3tb3j6> |
| Separating mixtures | BBC bitesize  <https://www.bbc.co.uk/bitesize/topics/z242m39/articles/zghptrd>  (chemical equations and word equations – not needed for this test) |
| Variation | BBC bitesize  <https://www.bbc.co.uk/bitesize/topics/zpffr82/articles/z6j66g8> |