

Remote Learning Guide

Science



w.c 17.03.2025

(Week 1)

What is the remote learning guide?

Where students are unable to attend school due to, medical, or disciplinary reasons we will continue to provide resources to enable students to continue their education at home – we call this remote learning. We

want to minimise the impact to your child’s education and therefore we have a plan to make sure learning can continue, when they are unable to attend school. It is crucial that students are proactive in filling gaps in their learning as a result of their absence from lessons.

We will be providing all teaching resources through Microsoft Teams. All students will be automatically placed in a Team for their classes in all subjects. Teachers will place all activities, including lessons and resources as files in these Teams. Students can access the Teams through their school email accounts. Teachers will also set homework and send messages to their students using MS Teams. All work will be available before the lesson is due to start.

You can see a summary of what is being taught each week through the remote learning guides that are shared on the school website every Friday. Students can access the guides using FROG. Your child’s teachers will also be available via email to answer any questions or queries your child may have. The email address for the head of each department is also included within this guide if you need to contact them regarding any subject related issue.

Studies show that reading for pleasure makes a big difference to children’s educational performance. We recognise that reading is vitally important to your child’s education. Please make sure your child reads approximately one book a week. E-books are available to all Holte School students through MyOn, or they may borrow a book from the school library.

Students are also regularly set tasks and can access resources using the following platforms:

- **GCSEPod** - <https://www.gcsepod.com/>
- **MyOn** - <https://www.myon.co.uk>
- **Seneca** - <https://senecalearning.com/en-GB/>
- **Bedrock Learning** - <https://app.bedrocklearning.org/>

The following resources provide lessons created by the BBC and Department for Education that may be used with your children to extend their learning at school.

- **Oak National Academy** - <https://www.thenational.academy/>
- **BBC Bitesize Daily Lessons** - <https://www.bbc.co.uk/bitesize/dailylessons>

| Year 7 | | |
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| Head of Department: Mr C Walsh | | |
| What is your child learning this term? | | |
| In the first autumn half term, students will learn about how Science works through practical investigations. They will progress onto how cells comprise all living organisms and how they can be observed. In the final half term topic, students will be introduced to basic chemical concepts. | | |
| Class | Teacher | Lessons, including deadlines & resources |
| 7.1 | Mrs F Ali | Tues P2 - Revision Weds P5 - REVISION Fri P1 - Summative 2 (5.3, 4.1, 4.2, 2.1,2.2,5.2) |
| 7.2 | Mr Neylon Miss Ali | Tue P2 SJN – Electricity revision Wed P5 SJN –Summative assessment Fri P1 SJN – 3.1.1 Food and fuels |

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| 7.3 | Ms Jones Mr Hoare | Tue P2 MIJ – REVISION Wed P5 MDH – REVISION Fri P1 MDH – Summative 2 (5.3, 4.1, 4.2, 2.1,2.2,5.2) |
| 7.4 | Miss Ghani Mis BiBi | Tues P2 - Summative revision Wed P5 - IQB - Summative revision Frid P1 - IQB Summative 2 |
| 7.5 | Mr M Hoare Miss Bi | Tue P3 MDH – Thurs P5 IQB –SMSC Fri P1 MDH – |
| 7.6 | Ms Jones Miss Bibi | Tue P3 ERR - REVISION Thur P4 MIJ – SMSC Day Fri P2 MIJ – Summative 2 (5.3, 4.1, 4.2, 2.1,2.2,5.2) |
| 7.7 | Miss Ghani Mr Ali | Tues P3 5.2.6 Chromatography practice questions Thurs P4 TPG SMSC Friday P2 3.1.1 Food and Fuels |
| 7.8 | Mr Neylon Mrs Rahman | Tue P3 SJN –Summative assessment Thur P4 SJN –SMSC Fri P2 SJN – 3.1.1 Food and fuels |

| Year 8 | | |
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| Head of Department: Mr C Walsh | | |
| What is your child learning this term? | | |
| In the first half of the autumn term, students will build upon their ideas of scientific enquiry. They will also explore the human body and ways in which it can be affected by different substances including caffeine. In addition, Year 8 students will investigate simple forces and their effects. | | |
| Class | Teacher | Lessons, including deadlines & resources |
| 8.1 | Mr Hoare Ms Jones | Mon P4 MDH – REVISION Wed P1 MIJ - Summative 2 (6.2, 3.3,3.4, 9.3,9.4,1.4, 5.4) Thur P3 MDH – SMSC Day |
| 8.2 | Miss Ali | Mon P4 ZAA- Stress in solids. Formative assessment on pressure. Wed P1 ZAA- Summative assessment Thurs P3 ZAA-SMSC Day |

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| 8.3 | Ms Jones Miss Bibi | Mon P4 MIJ – summative assessment Wed P1 IQB- 2.2.1 Current Thurs P3 IQB – SMSC |
| 8.4 | E Rahman | Mon P4 – Summative assessment Wed P1 - 2.2.1 current Thurs P3 - SMSC |
| 8.5 | Miss Bibi | Mon P1 – Summative assessment Fri P5 - 2.2.1 Current |
| 8.6 | Mrs Ali | Mon P1 FKA – Summative 2 (6.2, 3.3,3.4, 9.3,9.4,1.4, 5.4) Fri P3 FKA – 5.4 Atomic structure Recap |
| 8.7 | Mr Neylon Mrs Rahman | Mon P1 – 2.2.1 Current Fri P3 – 2.2.2 Charging up |
| 8.8 | Miss Ghani Mrs Turner Miss Ali | Mon P1 ZAA – 5.4.2 Group 1 Elements Fri P4 TPG – 5.4.3 Group 7 Elements |

| Year 9 | | |
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| Head of Department: Mr C Walsh | | |
| What is your child learning this term? | | |
| During the first half of the autumn term, students will work through topics on Natural selection & evolution, magnets & magnetic fields, and climate change & environmental impacts. They will do this through a variety of approaches including practical work. | | |
| Class | Teacher | Lessons, including deadlines & resources |
| 9.1 | Ms Ali Mrs Ali | Mon P3 ZAA - B2.1 Cell division Weds P4 – B2.2 Growth and development Fri P4 - B2.3 Stem Cells & B2.4 Stem cell dilemmas |
| 9.2 | Mr Hoare | Mon P3 MDH – B2.1 Cell Division Wed P4 MDH – B2.2 Growth & Differentiation Fri P4 MDH – B2.3 Stem Cells & B2.4 Stem Cell Dilemmas |
| 9.3 | Mr Neylon Ms Jones Miss Ghani | Mon P3 MIJ – C2.3 Group 1 & C2.5 Explaining trends Wed P4 SJN - C2.4 Group 7 & C2.5 Explaining trends Fri P4 MIJ – C2.6 The Transition elements |

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| 9.4 | E Rahman | Mon P3 - Summative assessment Wed P4 - C2.3 Group 1 elements Fri P4 - c2.4 Group 7 elements |
| 9.5 | Mr Hoare Ms Jones | Tue P1 MIJ – C2.3 Group 1 & C2.5 Explaining trends Wed P3 MDH – C2.4 Group 7 & C2.5 Explaining trends Thur MIJ – SMSC Day |
| 9.6 | Mrs Turner Miss Bibi | Tue P1 CAT – Formative assessment B2 cell division Wed P3 IQB – C2.1 Development of Periodic Table Thurs P5 CAT – SMSC |
| 9.7 | Miss Ghani Mrs Rahman | Tue P1 - Summative assessment Wed P3 - Group 1 elements Thurs P5 - SMSC |
| 9.8 | Miss Ghani | Tues P1 – FKA – B2.1 Cell Division Weds P3 – TPG – B2.2 Growth & Differentiation Thurs P5 – FKA - SMSC |

| Year 10 | | |
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| Head of Department: Mr C Walsh | | |
| What is your child learning this term? | | |
| During the first half term of autumn, students will be studying transport systems in living organisms, important calculations necessary in Chemistry and the laws and features of electrical circuits. | | |
| Class | Teacher | Lessons, including deadlines & resources |
| 10.1 | Mr A Ali Mrs H Choudhury Mr S Neylon | Mon P5 - Summative est Wed P3 - Metabolism Fri P3 AWA C6.3 The extraction of aluminium |
| 10.2 | Mrs Turner Mrs Ali Ms Jones | Mon P5 MIJ – P9 assessment/Feedback Weds P3 FKA – Summative 2 Bio Fri P3 CPW – C8.4 Effect of concentration on rate of reaction – Required Practical |
| 10.3 | Mrs Chowdhury Miss Bibi | Mon P5 IQB- Wed P3 SHC-Aerobic respiration |

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| | Ms Jones | Fri P3 MIJ – P10.2 Terminal velocity |
| 10.4 | Mr M Hoare Ms Ali | Mon P5 – Wed P3 ZAA-Antibiotics and painkillers Fri P3 –Completing the required practical |
| 10.5 | Mr A Ali Mr M Hoare | Wed P2 AWA C6.3 The extraction of aluminium Thurs P4 AWA C6.4 Electrolysis of aqueous solutions Tues P2 – Thurs P5 – |
| 10.6 | Miss Bibi Mrs Choudhury Mr Neylon Mr Walsh | Tue P1 HAC - Summative test Tue P2 HAC- C8.9 dynamic equilibrium Wed P2 IQB - Summative assessment feedback Thurs P4 CPW - SMSC Thurs P5 SJN - SMSC |
| 10.7 | Miss Ghani Mrs Chowdhury Miss Bibi | Tues P1 IQB – Tue P2 IQB – Wed P2 TPG Thu P4- SHC- SMSC Thu P5 SHC- SMSC |
| 10.8 | Ms Ali Mr Neylon Mrs Rahman | Tue P1 SJN – Aerobic respiration Tues P2 ZAA- C7 revision and formative assessment Wed P2 SJN – Anaerobic respiration Thurs P4 ZAA- SMSC day Thurs P5 ZAA- SMSC day |

| Year 11 | | |
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| Head of Department: Mr C Walsh | | |
| What is your child learning this term? | | |
| Students will be studying Homeostasis and control systems, forces and their effects and the details of waves. They will do this using a variety of approaches including practical work and mastery learning. | | |
| Class | Teacher | Lessons, including deadlines & resources |
| 11.1 | Mrs Turner Ms Jones | Mon P3 CAT – B15.3-7 Evolution & Extinction Wed P4 MIJ – Physics Revision – Electromagnetic induction Thurs P1 MIJ – Physics revision – P10 Momentum Thurs P2 MIJ – Physics revision – P14 Lenses and light |
| 11.2 | Mr A Ali Mrs H Choudhury Mrs S Chowdhury | Mon P3- P14.6 Using lenses Mon P4 – p15.1 Magnetic fields -P15.4 The motor effect Wed P4 Food security/Biotechnology Thurs P1 SMSC |

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| | | Thurs P2 SMSC |
| 11.3 | Mrs Ali Miss Ghani | Mon – P3 – FKA - B16.3 The carbon cycle Mon P4 – FKA - B17.2 Land and water pollution Weds P4 – TPG - B17.3 Air pollution Thurs P1 –SMSC Thurs P2 – SMSC |
| 11.4 | Miss Ali Mr Neylon | Mon P3 – Measuring biodiversity Mon P4 – Measuring biodiversity Wed P4 ZAA- C8 revision Thurs P1 –SMSC Thurs P2 – SMSC |
| 11.5 | Miss Bibi Mr Walsh | Mon P3 IQB – Mon P4 IQB - Thurs P1 CPW Thurs P2 CPW |
| 11.6 | Mrs Turner Mrs Chowdhury Mr Neylon | Tue P5 SJN – Graphene and fullerenes Wed P2 SHC- Mock paper analysis Fri P5 CAT – Energy Calculations |
| 11.7 | Mr Walsh Mr Hoare | Tues P5 CPW Wed P2 CPW Frid P5 CPW |
| 11.8 | Mrs Choudhury Mrs Rahman | Tues P5 - Revision Chemistry Wed P2 -Revision Physics Fri P2 – b17.4 Deforestation |
| 11.9 | Mrs Ali Ms Jones Mr Ali | Tue P5 MIJ – Physics revision – P7 Radiation Wed P2 MIJ – Physics revision – P8 Forces Fri P5 MIJ - Physics revision – P9 speed/time graphs |
| 11.10 | Miss Ghani Mr Hoare | Tues P5 TPG Plant structure Wed P3 Plant adaptation and photosynthesis Frid P5 Transpiration Wed P4 Water transport- |

| Sixth Form | | |
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| Head of Department: Mr C Walsh | | |
| What is your child learning this term? | | |
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| Class | Teacher | Lessons, including deadlines & resources |
| 12 BTEC | Miss Ghani Mr A Ali | Monday P3 and P4 Continue with unit 2B tasks from checklist Wednesday P3 and P4 Chemistry – Unit 2B titration Introduction to cooling curves theory and practical |
| 12B/Bio | Mrs Chowdhury Mrs Turner | Mon P5 SHC- Light dependent reaction Tue P1 SHC- Electron transfer chain |

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| | | Tue P2 SHC-Light independent reaction Frid P3 CAT – Gas exchange test Fri P4 CAT – Introduction to biodiversity |
| 12D/Bio | Mrs Chowdhury | Tue P4 SHC- Chapter 9 test Tue P5 SHC- Chloroplast structure Thu P1 SHC- SMSC Thu P2 SHC- SMSC |
| 12C/Ch1 | Mr A Ali Mr Walsh | Wed P5 AWA chapter 6.1 shapes of molecules Fri P1 AWA chapter 6.2 electronegativity & polarity Fri P2 AWA chapter 6.3 Bonding & structure/intermolecular forces Mr Walsh – introduction to organic chemistry and isomerism. |
| 12B/Ph | Mr Neylon Mr Walsh | Mon P5 SJN – 12.3 Youngs double slit Tue P1 CPW – Tue P2 CPW – Fri P3 SJN –PAG planning Fri P4 – SJN – PAG |
| 13B/Bio | Mrs Turner Mrs Chowdhury | Mon P3 SHC- Mock paper 3 analysis Mon P4 SHC- Mock paper 3-analysis Thur P1 CAT – SMSC Thur P2 CAT –SMSC Fri P5 SHC- Exam practise |
| 13C/Bio | Mrs Turner Mrs Chowdhury | Mon P5 CAT – Revision Mass Transport (O ₂ Dissociation) Tue P4 CAT – Revision Mass Transport (Plants) Transpiration Tues P5 CAT – Revision Mass Transport (Plants) Fri P3 SHC- Mock paper 3 analysis Fri P4 SHC- Mock paper 3 analysis |
| 13D/Ch | Mr A Ali Mr Walsh | Tue P1 AWA Chapter 23.2 Manganate (VII) redox titrations Tue P2 AWA Chapter 23.3 Iodine thiosulphate redox titration AWA Chapter 23.4 Electrode potentials Wed P3+4 – |
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| 13 BTEC | Miss Ghani Ms Jones | Mon P1 and P2 Unit 1 Revision - Biology Wed P5 Unit 1 Revision - Chemistry Friday P1 and 2 Unit 1 Revision Physics |