

Remote Learning Guide

Science



w.c 24.03.2025

(Week 2)

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		
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 Ali	Tues P1 – 3.1.1 Thurs P5 – 3.1.2 Fri P5 – 3.1.3

7.2	Ms Ali Mr Neylon	Tue P1 ZAA – 3.1.2 Energy resources Thur P5 ZAA — 3.1.3 Energy and power Fri P5 SJN – Summative assessment feedback
7.3	Ms Jones Mr Hoare	Tue P1 MIJ – 3.1.3 Energy and power Thur P5 MIJ – 3.2.1 Energy adds up Fri P5 MIJ - 3.2.2 Energy Dissipation
7.4	Miss Ghani Miss Bibi	Tues IQB P1 - 3.1.2 Energy resources Thurs TPG P5 – 3.1.3 Energy and power FridayTPG P5 - 3.2.2 Energy Dissipation
7.5	Mr Hoare Miss Bibi	Tue P1 MDH – 3.1.3 Energy and power Thur P5 MDH – 3.2.1 Energy adds up Fri P5 MDH - Summative assessment feedback
7.6	Ms Jones Miss Bibi	Mon P5 IQB – 3.1.3 Energy and power Tue P4 IQB – 3.2.1 Energy adds up Fri P5 IQB – 3.2.2 Energy Dissipation
7.7	Miss Ghani Mr A Ali	Mon P5 TPG 3.1.2 Energy resources Tues P4 3.2.2 Energy Dissipation Fri P5 3.1.3 Energy and power
7.8	Mr Neylon Mrs Rahman	Mon P5 ERR – 3.1.2 Energy resources Tue P4 SJN – Summative assessment feedback Fri P5 ERR – 3.1.3 Energy and power

Year 8		
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	Ms Jones Mr Hoare	Mon P4 MDH – 5.4 Atomic structure Recap Wed P4 – MIJ - MIJ SUMMATIVE ASSESSMENT 2 - FEEDBACK Thur P3 MIJ – Project
8.2	Ms Ali	Mon P4 ZAA-Development of periodic table Wed P4 ZAA-Group 1 elements Thurs P3 ZAA-Group 7 elements
8.3	Miss Bibi	Mon P4- SUMMATIVE ASSESSMENT 2 - FEEDBACK Wed P4- 2.2.1 current

		Thurs P3-
8.4	Mrs Rahman	Mon P4 – 2.1.1 current and potential difference Wed P4- 2.1.2 Resistance Thurs P3- 2.1.3 Series and parallel circuits
8.5	Mrs H Choudhury Miss Bibi	Mon P4 HAC - 2.2.1 current Tue P2 IQB- SUMMATIVE ASSESSMENT 2 - FEEDBACK Thur P1 IQB 2.1.1 Potential difference Fri P1 IQB-
8.6	Ms Jones Mrs Ali Mr Hoare	Mon P4 MIJ – SUMMATIVE ASSESSMENT 2 - FEEDBACK Tue P2 MIJ – Project Thur P1 MIJ – Fri P 1 MDH - Project lesson 3
8.7	Mr Neylon Mrs Rahman	Mon P4 SJN – 2.1.2 Potential difference Tue P2 ERR – Chapter 1 assessment and feedback Thur P1 SJN – Summative assessment feedback Fri P 1 SJN –Series and parallel circuits
8.8	Ms Ali Miss Ghani Mrs Turner	Mon P4 CAT - 5.4.3 Group 0 Tue P2 CAT - 2.2.2 Charging up Thur P1 TPG - 2.2.1 Current Frid 1 CAT - 2.1.1 Potential difference

Year 9		
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	Mrs Turner Mrs Ali Ms Ali	Tue P1 – B2 revision and FA Wed P1– C2.1 Development of Periodic table Fri P4 – C2.2 Electronic structures
9.2	Mrs Ali Mr Hoare	Tues P1 – B2 Summative assessment Weds P1 – FKA – Fri P4 – FKA –
9.3	Miss Ghani Mrs Jones Mr Neylon	Tue P1 TPG – Revision Lesson Wed P1 SJN – Group 7 and explaining trends Fri P4 TPG – P2.1 Conduction
9.4	Mrs Rahman	Tue P1 ERR – C2.6 Transition elements Wed P1 ERR – P2.1 Conduction Fri P4 ERR – P2.2 Infrared radiation

9.5	Ms Jones Mr Hoare	Tue P2 MDH – C2.4 Group 7 & C2.5 Explaining trends Wed P5 MDH – C2.6 The Transition elements Fri P3 MIJ – P2.1 Conduction practical
9.6	Miss Bibi Mr Walsh	Tues P2 CPW – C2.2 Electronic structures Wed P5 IQB – C2.3 Group 1 and explaining trends Fri P3 CPW - C2.4 Group 7 and explaining trends
9.7	Miss Ghani Mrs R Rahman	Tuesday P2 - C2.4 Group 7 elements Wed P5 - C2.6 Transition elements Friday P3 - P2.1 Conduction
9.8	Miss Ghani Mrs F Ali Mrs H Choudhury	Tues P2 - C2.4 Group 7 & C2.5 Explaining trends Wed P5 - P2.1 Conduction Friday P3 - P2.2 Infrared radiation & P2.3 More on infrared

Year 10		
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 Neylon	Fri P4 AWA C6 Electrolysis revision and test Mon P2 SJN – B9 Assessment / Monoclonal antibodies Mon P3 SJN– Monoclonal antibodies Tues P3 – P7.3 /P7.4 Changes in the nucleus and more about alpha beta gamma Wed P2 - B10.1 Homeostasis / B10.2 Nervous system
10.2	Mrs Ali Ms Jones Mrs Turner	Mon P2 –C8.5 Effects of catalysts Mon P3 – MIJ – P10.1 Force and acceleration Tue P2 - B9 response to exercise Wed P2 - B9 Anaerobic respiration Thurs P4 – C8.6 Reversible reactions Fri P4 – MIJ – P10.2 Terminal velocity
10.3	Mrs S Chowdhury Ms Jones Miss Bibi	Mon P2 MIJ – P10.3 Forces and breaking Mon P3 IQB - Tues P3 MIJ – P10.4 Momentum Wed P2 MIJ – P10.5 Impact forces Thu P4 SHC- B9.2 anaerobic respiration Fri P4 IQB –
10.4	Ms Ali Mr Hoare	Mon P2 ZAA - Vaccinations Mon P3 ZAA - Discovering drugs Tues P3 ZAA - Developing drugs Wed P2 ZAA - B6 revision Thurs P4 ZAA - B6 formative assessment Fri P4 - P4 L3 P9 L3 Velocity and time graphs/Summative feedback
10.5	Mr A Ali Mr Hoare	Mon P2 MDH – B9 L3 Anaerobic respiration Tues P3 AWA C6 Electrolysis required practical Thurs P5 MDH B9 L4 Fri P3 AWA C6 Electrolysis revision and test

10.6	Miss I Bibi Mr C Walsh Mrs H Choudhury Mr Neylon	Mon P2 - C8.7 Energy and reversible reaction Tue P3 – P8.3 Resultant forces Thurs P5 SJN – B10.1 Homeostasis Fri P3 IQB – B10.2 Nervous system
10.7	Miss Bibi Miss Ghani Mrs S Chowdhury Mr Hoare	Mon P2 IQB - Tues P3 MDH P4 L2- P9 L1 Vector and Scalar and speed Thu P5 SHC- Anaerobic respiration in plants Fri P3 MDH - P9 L2 Distance and time graphs
10.8	Miss Ali Mr Neylon Mrs Rahman	Mon P2 ERR – P10.3 Forces and braking Tue P3 SJN - Response to exercise Fri P3 ERR – P10.5 Forces and Elasticity

Year 11		
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 P1 CAT – B15.8 Antibiotic resistance B15.9-10 Classification Wed P5 MIJ – B18.9 - B18.11 Ecology Thurs P2 CAT – C14.1 Finite and renewable resources Fri P2 CAT – C14.2 & C14.3 Safe drinking water and treating waste water
11.2	Mrs S Chowdhury Mr A Ali	Mon P1 Wed P5 SHC-Revision Fri P2 SHC- Revision Thurs P2 AWA C13.2 Atmosphere part 1
11.3	Miss Ghani Mrs Ali	Mon P1 - Weds P5 – Thurs P2 – Fri P2 –
11.4	Miss Ali Mr Neylon	Mon P1-ZAA – Factors affecting rate of reaction Wed P5 SJN- B16/B17 Assessment Thurs P2 ZAA- C8 exam practise Fri P2 SJN – Mock analysis
11.5	Miss Bibi Mr Walsh	Mon P1 IQB – C11.3 Green house gases Wed P5 – Thurs P2 IQB – Fri P2 –
11.6	Mrs Chowdhury Mr Neylon Mrs Turner	Mon P3 CAT – Revision Physics Tue P5 SJN – Moles and concentration Thurs P2 MIJ – Wed P3 – Reactivity series / displacement reactions Wed P4 SHC- Review of mock papers Fri P1- SHC-Review of mock papers
11.7	Mr Hoare Mr Walsh	Mon P3 –Revision B1 cells Tues P5 – Revision Chemistry Grps Wed P3 Revision Non-communicable diseases and data

		Wed P4 – Exam paper practice Fri P1 –
11.8	Mrs H Choudhury Mrs E Rahman	Mon P3 - C4 revision Tues P5 - C5 revision Wed P3 - C9.2 Fractional distillation of oil Wed P4 SJN- Food Tests Practical Thurs P2 - Revision – Microscopy RP Fri P1 - Revision – Microscopy RP
11.9	Mrs Ali	Mon P3 – Tues P5 – Weds P3 – Weds P4 – Thurs P2 – Fri P1 –
11.10	Miss Ghani Mr Hoare	Mon TPG P3 – Revision – RP Microscopy Tues TPG P5 Limiting factors Wed TPG P3 and P4 Respiratory system and Aerobic respiration Thurs P2 Physics Paper 1 calculation practice Frid TPG Anaerobic Respiration

Sixth Form		
Head of Department: Mr C Walsh		
What is your child learning this term?		
Class	Teacher	Lessons, including deadlines & resources
12B/Bi	Mrs S Chowdhury Mrs C Turner Mr Neylon	Mon P2 SHC-limiting factors Tue P1 SHC- Photosynthesis required practical 8 Tue P2 SHC – Photosynthesis required practical 8 Wed P2 SHC-photosynthesis revision Fri P4 SJN –
12D/Bi1	Mrs S Chowdhury Mrs C Turner	Mon P5 CAT –Biodiversity revision Tue P4 CAT – Biodiversity Test Tue P5 CAT - Revision Thu P1 SHC- Photosynthetic pigments Thu P2 SHC- Light dependent reaction Fri P3 CAT – Revision
13B/Bi	Mrs S Chowdhury Mrs C Turner Mr Neylon	Mon P3 SHC – Revision-chapter 21 Mon P4 SHC-Revision-Immunology Thur P1 CAT - Revision Thur P2 SJN - A Level Paper 2 June 2021 Fri P5 CAT – Revision
13C/Bi	Mrs S Chowdhury Mrs C Turner Mr Neylon	Mon P5 SJN - A Level Paper 2 June 2021 Tue P4 SHC-Revision-chapter 21 Tue P5 SHC-Revision-chapter 21 Fri P3 SHC –Revision-Immunology Fri P4 SHC-Revision-Immunology
12A/Ch1	Mr Walsh Mrs H Choudhury Miss Bibi	Mon P3 – Mon P4 – Wed P3- Wed P4 –
12C/Ch1	Mr A Ali Mr Walsh	Wed P5 AWA chapter 6.1 Hydrogen bonding Fri P1 AWA chapter 6.2 electronegativity & polarity Fri P2 AWA chapter 6.3 Bonding & structure/intermolecular forces Thurs P3 Thurs P4

13D/Ch1	Mr A Ali Mr Walsh	Tue P1 AWA Chapter 23.3 Iodine thiosulphate redox titration Tue P2 AWA Chapter 23.4 Electrode potentials
12 B TEC	Mr A Ali Miss Ghani	Monday P3 and P4 Continue with unit 2B tasks from checklist (tasks 8-17) Wednesday P3 and P4 Chemistry – Unit 2B Introduction to cooling curves theory and practical, drawing graphs of cooling curves and tangents from data collected
13 BTEC	Miss Ghani Ms Jones	Monday P1 and 2 Unit 1 Biology revision Fri P1 and 2 – MIJ – Unit 1 Chemistry and Physics revision
12B/Ph	Mr Neylon Mr Walsh	Mon P2 CPW – Tue P1 SJN – 12.5 Harmonics Tue P2 SJN – 12.6 Stationary waves in air columns Wed P2 CPW – Fri P4 CPW –