

Learning Guide for Students and Parents

Science



Week Commencing:

14th September 2026

(Week 1)

The school supports home learning by providing lessons, resources, homework, and communication through Microsoft Teams, supported by several online learning platforms and additional educational resources. If a student cannot attend school due to medical or disciplinary reasons, the school will provide resources so learning can continue from home and disruption to education is minimised.

Further guidance for parents on how they can support their child's learning, including preparing for assessments and examinations, is available at - [Study Hacks — From the Sidelines](#)

How learning is provided

- All teaching materials are shared through Microsoft Teams.
- Students are automatically enrolled in Teams for each of their subjects.
- Teachers upload lesson resources, activities and assignments, homework and messages and updates.
- Resources are available before the scheduled lesson time.
- Students access Teams using their school email account.

Weekly learning information

- Remote learning guides are published on the school website and the App every Friday.
- They are also shared on students' year group Microsoft Teams.
- Teachers can be contacted via email for questions about learning.
- Department Head email addresses are included in the guides for subject-specific queries.

Online learning platforms

Students may also be set work on:

- Seneca Learning (all subjects) <https://senecalearning.com/en-GB/>
- Up Learn (A-Level Science) <https://www.uplearn.co.uk/>
- Sparx Maths (Key Stages 3 and 4 Maths) <https://sparxmaths.com/>
- Kerboodle (Key Stages 3 and 4 Science) <https://www.kerboodle.com/>

Additional learning resources are available on:

- Oak National Academy <https://www.thenational.academy/>
- BBC Bitesize [Home - BBC Bitesize](#)

Reading expectations

Research shows that regular reading has a significant positive impact on children's educational achievement, vocabulary development and wellbeing. We encourage all students to read for at least 20–30 minutes each day, both in and out of school. As a guide, students should aim to complete at least one age-appropriate book every two to three weeks, although confident readers may read more frequently.

- Read for pleasure regularly.
- Aim to read approximately one book per week.
- Access news and current affairs through The Day <https://theday.co.uk/>
- Borrow books from the school library.

Passwords and support

- Students have Microsoft Teams for all lessons. They can access these Teams using their email accounts.
- Teachers will regularly show students how to access the Teams groups.
- Students record passwords for online resources in their school planner.
- If there are difficulties accessing digital resources, parents should contact the student's Year Manager or Year Coordinator, or the school directly at enquiry@holte.bham.sch.uk.

Good attendance is essential for academic success. Missing school can lead to gaps in learning that may affect a student's confidence, progress and achievement. Although we provide learning resources when necessary, attending school remains the best way for students to access high-quality teaching and support.

Year 7
Head of Department: Mr C Walsh c.walsh@holte.bham.sch.uk

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 Turner Ms Ali Ms Jones	Monday P3 1.4 Analysing data (graphs, conclusions) Tue P4 1.5 Evaluating data - random/systematic errors, improvements Thur P5 Formative Assessment HSW 1 (PA) & Whole class FEEDBACK
7.2	Mr Hoare Mrs Rahman Mrs Rahman	Monday P3 - 1.4 Analysing data (graphs, conclusions) Tue P4 - 1.5 Evaluating data - random/systematic errors, improvements Thur P5 - Formative Assessment & feedback
7.3	Mrs Chowdhury Mrs Chowdhury Mr Neylon	Monday P3 – 1.4 Analysing data Tue P4 - 1.5 Evaluating data Thur P5 – Penguins practical APP
7.4	Mrs Choudhury Mrs Ali Mrs Ali	Monday P3- 1.4 Analysing data Tue P4- 1.5 Evaluating data Thur P5- Formative assessment (SA)
7.5	Mr Neylon Mrs Chowdhury Mr Neylon	Tuesday P3 - 1.4 Analysing data Thursday P3 - 1.5 Evaluating data Friday P2 - Penguin practical APP
7.6	Mr Hoare Mr Hoare Mrs Chowdhury	Tuesday P3-1.4 Analysing data Thursday P3-1.5 Evaluating data Friday P2-Formative assessment (SA)
7.7	Ms Ali Ms Ali Mrs Turner	Tuesday P3 Penguins practical Thursday P3 1.4 Analysing data and graphs Friday P2 1.5 conclusions and evaluating data
7.8	Mrs Rahman Mrs Rahman Mrs Rahman	Tuesday P3 – Penguins practical Thursday P3 - 1.4 Analysing data Friday P2 - 1.5 Evaluating data
7N	Mrs Ali Miss Bibi Mrs Ali	Tuesday P3 – Analysing data - graphs Thursday P3 – Evaluating Friday P2 – Formative Assessment

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	Mrs Turner Mrs Turner Mrs Ali	Monday P4 19.4 Comparing and evaluating Tuesday P1 19.5 Graphs Wednesday P1 Formative Assessment (SA)
8.2	Mr Hoare Ms Ali Ms Ali	Monday P4 Conclusions Tuesday P1 19.4 Comparing and evaluating Wednesday P1 Graphs
8.3	Mrs Rahman Mrs Choudhury Mrs Rahman	Monday P4-19.4 comparing and evaluating Tuesday P1-19.5 Graphs Wednesday P1-Formative assessment (SA)
8.4	Mrs Chowdhury Mrs Chowdhury Mrs Chowdhury	Monday P4-19.4 comparing and evaluating Tuesday P1-19.5 Graphs Wednesday P1-Formative assessment (SA)
8.5	Mrs Ali Mr Neylon	Monday P1 – 19.5 Graphs Friday P3 – formative assessment and feedback (SA)
8.6	Mrs Choudhury Ms Jones	Monday P1 – 19.5 Graphs Friday P3 – formative assessment and feedback (SA)
8.7	Miss Bibi Miss Bibi	Monday P1 19.4 Comparing and evaluating Friday P3 19.5 Graphs
8.8	Mrs Rahman Mrs Chowdhury	Monday P1-19.5 graphs Friday P3-Formative assessment (SA)
8N	Mr Neylon Mr Hoare	Monday P1 - 19.5 Graphs Friday P3 -formative assessment and feedback (SA)

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 Turner Mrs Ali	Monday P5 – 10.3.4 Preserving biodiversity Tuesday P2 – 10.4.1 Inheritance Wednesday P2 – 10.4.2 DNA
9.2	Miss Bibi Miss Bibi Mrs Rahman	Monday P5 - 10.3.4 Preserving biodiversity Tuesday P2 - 10.4.1 Inheritance Wednesday P2 - 10.4.2 DNA
9.3	Mr Hoare Mrs Choudhury Mrs Choudhury	Monday P5 10.3.4 Preserving biodiversity Tuesday P2 10.4.1 Inheritance Wednesday P2 P2 - 10.4.2 DNA
9.4	Mr Neylon Mrs Chowdhury Mrs Chowdhury	Monday P5 – 10.3.4 Preserving biodiversity Tuesday P2 – 10.4.1 Inheritance Wednesday P2 – 10.4.2 DNA
9.5	Mrs Turner Miss Bibi Miss Bibi	Monday P2 - 10.3.4 Preserving biodiversity Tuesday P1- 10.4.1 Inheritance Friday P5 -10.4.2 DNA
9.6	Mr Neylon Mr Neylon Mrs Ali	Monday P2 - 10.3.4 Preserving biodiversity Tuesday P1 - 10.4.1 Inheritance Friday P5 - 10.4.2 DNA
9.7	Mrs Chowdhury Mrs Rahman Mrs Chowdhury	Monday P2- 10.3.4 Preserving biodiversity Tuesday P1- 10.4.1 Inheritance Friday P5- 10.4.2 DNA
9.8	Mrs Ali Mrs Ali Mr Hoare	Monday P2 10.3.4 Preserving biodiversity Tuesday P1 10.4.1 Inheritance Friday P5 10.4.2 DNA

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	Mrs Turner Mr Walsh Mr Walsh Mrs Turner Mrs Ali	Tuesday P4 C4.2 Equations and calculating masses Tuesday P5 P4.2 Current and charge Wednesday P2 P4.3 Potential difference and resistance Thursday P4 C4.3 Empirical formula & limiting factors Friday P1 B4.4 Helping the heart
10.2	Mr Neylon Mr Neylon Ms Ali Ms Ali Mrs Chowdhury	Tuesday P4 – L2 Charge and current Tuesday P5 – L3 Current in series and parallel Wednesday P2 - Giant ionic structures. Thursday P4-Giant covalent structures. Friday P1-B4 Heart
10.3	Mrs Choudhury Mrs Choudhury Miss Bibi Ms Jones Ms Jones	Tuesday P4-B4.2 Blood vessel Tuesday P5- B4.3 The heart Wednesday P2 - C4.1 relative atomic mass Thursday P4 P4.2 pd and resistance Friday P1 P4 Resistance in wire required practical
10.4	Mr Hoare Mr Hoare Ms Ali Miss Bibi Miss Bibi	Tuesday P4 C4 L1 Tuesday P5 C4 L2 Wednesday P2 Thursday P4 Chemistry basics Friday P1 C4.1 relative atomic mass
10.5	Mrs Chowdhury Mrs Chowdhury Mr Walsh Ms Ali	Tuesday P3-B4 blood vessels Wednesday -B4 Heart Thursday P1 - P4.3 Potential difference and resistance Thursday P2 - Ionic bonding
10.6	Mr Walsh Mrs Rahman Mr Hoare Mr Walsh	Tuesday P3 P4.1 Current and charge Wednesday P4 – B4.4 Helping the heart Thursday P1 C4 I2 Thursday P2 P4.2 Potential difference and resistance
10.7	Mrs Turner Mr Neylon Mrs Turner Ms Jones	Tuesday P3 C4.2 Balancing equations and calc masses Wednesday P4 – B4.3 Heart Thursday P1 – C4.3 Expressing calculations Thursday P2 P4 Resistance in a wire required practical
10.8	Mrs Choudhury Miss Bibi Mrs Ali Miss Bibi	Tuesday P3- B4.3 The heart Wednesday P4- Chemistry basics Thursday P1 - P4.3 Component characteristics Thursday P2- C4.1 relative atomic mass

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	Miss Bibi Mr Neylon Mr Neylon Mr Hoare Miss Bibi	Monday P2 C9.2 Fractional distillation Wednesday P1 – Treating diabetes / negative feedback Thursday P3 – Reproductive systems / menstrual cycle Friday P1 P L1 Graphs Friday P4 C9.3 Buring hydrocarbons as fuel
11.2	Mr Walsh Mr Hoare Mrs Turner Mrs Turner Mr Hoare	Monday P2 Rates of reaction Wednesday P1 P8 L3 Resultant forces Thursday P3 B11.2/3 Blood glucose levels & treating diabetes Friday P1 B11.4 Negative feedback Friday P4 P8 L4 Centre of mass
11.3	Mrs Rahman Ms Jones Mr Walsh Mrs Rahman Mr Walsh	Monday P2 – B10.2 Structure and function of CNS Wednesday P1 P9.4 Analysing motion graphs Thursday P3 Earth's atmosphere L1 Friday P1 – B10.3 Reflex action Friday P4 Earth's atmosphere L2
11.4	Mrs Choudhury Mrs Choudhury Mrs Ali Mr Neylon Mrs Ali	Monday P2- P8.2 Forces between object Wednesday P1- P8.3 Resultant force Thursday P3 C9.2 Fractional distillation of oil Friday P1 – Treating diabetes Friday P4 C9.3 Burning hydrocarbon fuels
11.5	Mrs Turner Ms Ali Ms Ali Ms Jones	Monday P1 B10.6 Common problems with the eye Tuesday P2 - Reversible reactions, dynamic equilibrium. Wednesday P3 - Altering reaction conditions Wednesday P4 Analysing motion graphs/tangents
11.6	Mr Hoare Mr Walsh Mrs Ali Mrs Ali	Monday P1 P9 I3 V/T graphs and extras Tuesday P2 Gas tests Wednesday P3 B10.2 Nervous system Wednesday P4 B10.3 Reflex
11.7	Mrs Chowdhury Mr Hoare Mr Walsh Mr Hoare	Monday P1-B11 Human reproductive system Tuesday P2 Wednesday P3 Gas tests Wednesday P4
11.8	Ms Ali Mrs Ali Mrs Choudhury Mrs Choudhury	Monday P1 - Ionic bonding review Tuesday P2 - B10.2/3 Nervous system and Reflex Wednesday P3- P8.2 Forces between object Wednesday P4 - P8.3 Resultant force

Sixth Form			
Head of Department: Mr C Walsh			
Subject	Class	Teacher	Lessons, including deadlines & resources
Biology	12A-Bi	Mr Neylon Mrs Chowdhury Mrs Turner Mrs Turner Mrs Turner	Wednesday P3 – Cells lesson 1 Thursday P4-Proteins Thursday P5 – Lesson 2 Prokaryotic cells Friday P4 – Microscopes and magnification Friday P5 – Microscopes and magnification
	13A-Bi	Mr Neylon Mr Neylon Mrs Chowdhury Mrs Chowdhury Mr Neylon	Monday P3 – Chapter 14 Feedback Monday P4 – Nerve structure and impulse Thursday P1-Glycolysis Thursday P2-Link reaction Friday P5 – Synapses
Chemistry	12C-Ch	Miss Bibi Ms Ali Miss Bibi Ms Ali	Monday P3 C3.1 amount of substance Monday P4 - Nomenclature (alkanes, alkenes) Tuesday P3 C3.2 determination of formulae Wednesday P4 - Nomenclature (alkanes, alkenes, alcohols)
	13C-Ch	Mr Walsh Ms Ali Ms Ali Mr Walsh Mr Walsh	Monday P1 Monday P2 -Electrophilic substitution reactions for aromatic compounds. Tuesday P5 - -Electrophilic substitution reactions for aromatic compounds. Wednesday P4 Friday P1
Physics	13D-Ph	Mr Walsh Mr Walsh Mr Walsh Mr Walsh Mr Neylon	Tuesday P4 Wednesday P1 Thursday P4 Friday P3 Friday P4 – 17.2
Applied Science	12A-Sc	Miss Bibi Mr Hoare Miss Bibi Ms Jones Ms Jones	Wednesday P3 Electronic configuration Thursday P4 L2a3 summary of last week Thursday P5 Electron orbital diagrams Friday P4 Friday P5 P4 continued
	13B-Sc	Mr Hoare Ms Jones Ms Jones Ms Jones Ms Jones	Tuesday P1 Sampling coursework. Wednesday P2 Practical investigation – Resistance and diameter of a wire. Wednesday P3 P4 continued Thursday P3 Write up for resistance and diameter of wire Friday P2 P3 continued