

Subject
Science – Biology

Year 9
Autumn Term 1

Time of Assessment
End of Rotation 1

Knowledge to be Assessed:

- CB1** Key Concepts in Biology (Paper 1 and Paper 2)
- CB1a** Microscopes
- CB1b** Plant and animal cells
- CB1b** Core practical – Using microscopes
- CB1c** Specialised cells
- CB1d** Inside bacteria
- CB1e** Enzymes and nutrition
- CB1f** Enzyme action
- CB1g** Enzyme activity
- CB1g** Core practical – pH and enzymes
- CB1h** Transporting substances
- CB1h** Core practical – Osmosis in potato slices

The BBC Bitesize links in the 'Resources' section provide a breakdown of each of these subtopics

Please also see the detailed revision list in the 'Skills' section



Skills to be assessed:

There us a detailed revision list for this unit here: <https://tinyurl.com/hkn2f6z6>

Resources to help Revision:

There are detailed notes, videos and 'test yourself' interactives from BBC Bitesize at these links:

<https://www.bbc.co.uk/bitesize/topics/zy9ww6f>

Students should also check the **MS Team** for their individual class. Additionally, they have access to the **Active Learn** platform where they can use an electronic copy of the course textbook

Revision guides are also available to purchase through school

Emerging

Student show a basic science knowledge. Students demonstrate an understanding of less than 24% of content.

Developing

Students show partial science knowledge. Students demonstrate an understanding between 25% and 39% of the content.

Secure

Students show secure science knowledge. Students demonstrate an understanding of between 40% and 62% of the content.

Mastering

Students show very good Science knowledge. Students demonstrate an understanding of between 63% and 84% of the content.

Extending

Students show comprehensive science knowledge. Students demonstrate an understanding of more than 85% of content.

Subject
Science – Chemistry

Yr 9
Autumn Term 1

Time of Assessment
Rotation 1 – Date TBC

Knowledge to be Assessed:

| | |
|-------------|---|
| CC1 | States of Matter |
| CC2 | Methods of Separating and Purifying Substances (Paper 3) |
| CC1a | States of matter |
| CC2a | Mixtures |
| CC2b | Filtration and crystallisation |
| CC2c | Paper chromatography |
| CC2d | Distillation |
| CC2d | Core practical – Investigating inks |
| CC2e | Drinking water |



Skills to be assessed:

CC1/CC2 Detailed Revision Checklist
<https://tinyurl.com/39uyren4>

Resources to help Revision:

There are detailed notes, videos and 'test yourself' activities from BBC Bitesize at these links:

States of Matter and Mixtures

<https://www.bbc.co.uk/bitesize/topics/z9766yc>

This link provides sample exam questions with answers and explanations:

<https://www.bbc.co.uk/bitesize/guides/z33smsg/revision/1>

Students can access lesson slides and further revision material through **MS Teams**. Additionally, they have access to the **Active Learn** platform where they can use an electronic copy of the course textbook

Grade Descriptors: How the assessment is graded?

| Emerging | Developing | Secure | Mastering | Extending |
|---|---|---|--|---|
| Student show a basic science knowledge. Students score 1-7 marks out of 35. | Students show partial science knowledge. Students score 8-11 marks out of 35. | Students show secure science knowledge. Students score 12-19 marks out of 35. | Students show very good Science knowledge. Students score 20-26 marks out of 35. | Students show comprehensive science knowledge. Students score more than 27 marks out of 35. |

**Subject
Science – Physics**

**Yr 9
Assessment 1**

**Time of Assessment: End of First
Rotation**

Knowledge to be Assessed:

| | |
|------------|---|
| CP3 | Conservation of Energy (Paper 5) |
| CP3a | Energy stores and transfers |
| CP3b | Energy efficiency |
| CP3c | Keeping warm |
| CP3d | Stored energies |
| CP3e | Non-renewable resources |
| CP3f | Renewable resources |

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Please also see the detailed revision list in the 'Skills' section



Skills to be assessed:

There us a detailed revision list for this unit here: <https://tinyurl.com/5n7sf4yb>

Resources to help Revision:

There are detailed notes, videos and 'test yourself' interactives from BBC Bitesize at these links:

<https://www.bbc.co.uk/bitesize/guides/zxpwrwx/revision/1>

<https://www.bbc.co.uk/bitesize/guides/zsb6w6f/revision/1>

<https://www.bbc.co.uk/bitesize/guides/zty2k2p/revision/1>

This link provides sample exam questions with answers and explanations:

<https://www.bbc.co.uk/bitesize/guides/zmwyy4j/revision/1>

Students should also check the [MS Team](#) for their individual class. Additionally, they have access to the Active Learn platform where they can use an electronic copy of the course textbook

Emerging

Student show a basic science knowledge. Students demonstrate an understanding of less than 25% of content.

Developing

Students show partial science knowledge. Students demonstrate an understanding between 25% and 40% of the content.

Secure

Students show secure science knowledge. Students demonstrate an understanding of between 40% and 60% of the content.

Mastering

Students show very good Science knowledge. Students demonstrate an understanding of between 60% and 75% of the content.

Extending

Students show comprehensive science knowledge. Students demonstrate an understanding of more than 75% of content.