

Subject Science

Yr 7 Autumn Term 1

Time of Assessment
WK 9

Knowledge to be Assessed:

7A Cells:

Organs and their functions.
How to use a microscope
Preparing cell slides
Structure of Plant and animal cells
Specialised cells
Basic cell division
Organ systems
Water loss by leaves

7E Acids and Alkalis:

What are Acid and Alkalis?
What is a Hazard
Indicators
Neutralisation

7I Energy:

Energy and Fuels
Bunsen burners
Fossil Fuels
Other Energy resources
Solar Energy
Energy in food

Where does energy come from?



Skills to be assessed

Working scientifically

Through the content across all three disciplines, pupils will be taught to:

Scientific attitudes

- Pay attention to objectivity and concern for accuracy, precision, repeatability, and reproducibility
- Understand that scientific methods and theories develop as earlier explanations are modified to take account of new evidence and ideas, together with the importance of publishing results and peer review
- evaluate risks.

Resources to help Revision:

-Students should check their [Science TEAM](#)

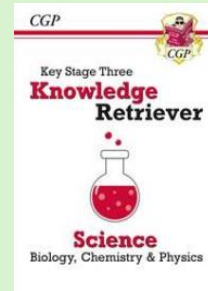
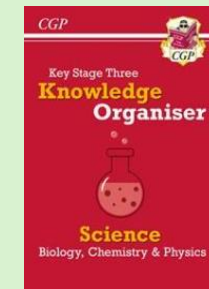
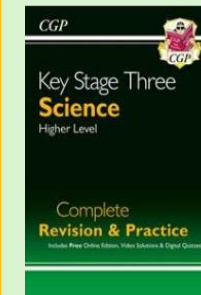
-Also click on links below:

[KS3 Biology BBC Bitesize](#)

[KS3 Chemistry BBC Bitesize](#)

[KS3 Physics BBC Bitesize](#)

-CGP KS3 Science revision books can be purchased at any good online bookstore.



Grade Descriptors: How the assessment is graded?

Emerging	Developing	Secure	Mastering	Extending
Student show a basic science knowledge. Students demonstrate an understanding of less than 25% of content.	Students show partial science knowledge. Students demonstrate an understanding between 25% and 40% of the content.	Students show secure science knowledge. Students demonstrate an understanding of between 40% and 60% of the content.	Students show very good Science knowledge. Students demonstrate an understanding of between 60% and 75% of the content.	Students show comprehensive science knowledge. Students demonstrate an understanding of more than 75% of content.

Subject Science

Yr 7 Spring Term 1

Time of Assessment
WK 17/18

Knowledge to be Assessed:

7B Reproduction:

Different types of reproduction
Internal & External Fertilisation
Human reproduction
Pregnancy
Giving birth
Life Cycle - Adolescence

7G Solids, Liquids & Gases

What is a theory
Particle theory
Diffusion
Recycling materials
7J Electricity
Types of Circuits
Conduction & Insulators
Electric currents
Resistance
Energy & Voltage
Electrical Safety & Fuses



Skills to be assessed

Working scientifically

Through the content across all three disciplines, pupils will be taught to:

Scientific attitudes

- Pay attention to objectivity and concern for accuracy, precision, repeatability, and reproducibility
 - Understand that scientific methods and theories develop as earlier explanations are modified to take account of new evidence and ideas, together with the importance of publishing results and peer review
 - evaluate risks.

Resources to help Revision:

-Students should check their **Science TEAM**

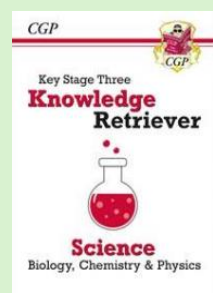
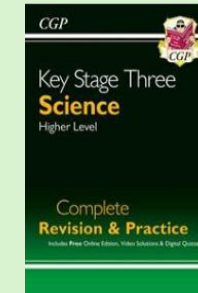
-Also click on links below:

[KS3 Biology BBC Bitesize](#)

[KS3 Chemistry BBC Bitesize](#)

[KS3 Physics BBC Bitesize](#)

-CGP KS3 Science revision books can be purchased at any good online bookstore.



Grade Descriptors: How the assessment is graded?

Emerging	Developing	Secure	Mastering	Extending
Student show a basic science knowledge. Students demonstrate an understanding of less than 25% of content.	Students show partial science knowledge. Students demonstrate an understanding between 25% and 40% of the content.	Students show secure science knowledge. Students demonstrate an understanding of between 40% and 60% of the content.	Students show very good Science knowledge. Students demonstrate an understanding of between 60% and 75% of the content.	Students show comprehensive science knowledge. Students demonstrate an understanding of more than 75% of content.

Subject Science

Yr 7 Summer Term 1

Time of Assessment
WK 25

Knowledge to be Assessed:

7D Classification:

Variation in animal & Plants

Causes of variation

Classifying living things

7F Chemical reactions:

Types of chemical reactions

Causes of chemical reactions

Collecting gases

Testing for gases

Combustion

7K Forces:

Forces in action

Mass v Weight

Balanced and unbalanced forces

Floating and sinking

Friction

Speed - distance-time graphs



Skills to be assessed

Working scientifically

Through the content across all three disciplines, pupils will be taught to:

Scientific attitudes

- Pay attention to objectivity and concern for accuracy, precision, repeatability, and reproducibility
- Understand that scientific methods and theories develop as earlier explanations are modified to take account of new evidence and ideas, together with the importance of publishing results and peer review
- evaluate risks.

Resources to help Revision:

-Students should check their **Science TEAM**

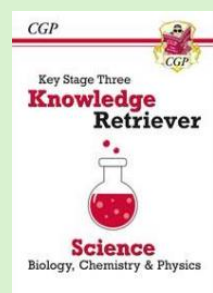
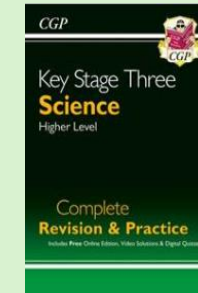
-Also click on links below:

[KS3 Biology BBC Bitesize](#)

[KS3 Chemistry BBC Bitesize](#)

[KS3 Physics BBC Bitesize](#)

-CGP KS3 Science revision books can be purchased at any good online bookstore.



Grade Descriptors: How the assessment is graded?

Emerging	Developing	Secure	Mastering	Extending
Student show a basic science knowledge. Students demonstrate an understanding of less than 25% of content.	Students show partial science knowledge. Students demonstrate an understanding between 25% and 40% of the content.	Students show secure science knowledge. Students demonstrate an understanding of between 40% and 60% of the content.	Students show very good Science knowledge. Students demonstrate an understanding of between 60% and 75% of the content.	Students show comprehensive science knowledge. Students demonstrate an understanding of more than 75% of content.