

## Year 9 Science

Autumn Term – Biology 14 WEEKS	Spring Term – Chemistry 14 WEEKS	Summer Term – Physics 14 WEEKS
<p><b>Unit/ Topic title: Biology 1 paper content</b></p> <p><b>Learning weeks: 48 lessons</b></p> <p><b>Key learning (knowledge and skills):</b></p> <ol style="list-style-type: none"> <li>1. B1- Cell structure and transport (11 lessons)</li> <li>2. B2-Cell division (5 lessons)</li> <li>3. B3- Organisation and the digestive system (8 lessons)</li> <li>4. B4- Organising animals and plants (10 lessons)</li> <li>5. B5- Communicable diseases (12 lessons)</li> </ol> <ul style="list-style-type: none"> <li>• The structure and functioning of cells and how they divide by mitosis and meiosis from sections</li> <li>• <b>Cell biology and Meiosis.</b></li> <li>• That variation occurs when gametes fuse at fertilisation from section</li> <li>• <b>Sexual and asexual reproduction.</b></li> <li>• The two essential reactions for life on Earth: photosynthesis and respiration from sections</li> <li>• <b>Photosynthetic reaction and Aerobic and anaerobic respiration.</b></li> <li>• Metabolism is the sum of all the reactions happening in a cell or organism, in which molecules are made or broken down from.</li> </ul> <p style="color: red;"><b>Assessment objectives</b></p> <p><b><u>AO1 Remember</u></b></p>	<p><b>Unit/ Topic title: Chemistry 1 paper content</b></p> <p><b>Learning weeks: 48 lessons</b></p> <p><b>Key learning (knowledge and skills):</b></p> <ol style="list-style-type: none"> <li>1. C1-Atomic structure (9 lessons)</li> <li>2. C2-the periodic table (7 lessons)</li> <li>3. C3-Structure and bonding (12 lessons)</li> <li>4. C4-Chemical calculations (10 lessons)</li> <li>5. C5-Chemical changes (9 lessons)</li> </ol> <ul style="list-style-type: none"> <li>• Explain the structure of the <b>atom</b> and suggest how the development of the periodic table evolved.</li> <li>• Draw dot and cross diagrams</li> <li>• Compare and contrast <b>ionic</b> and <b>covalent</b> bonding.</li> <li>• Suggest properties based on the type of bonding which exists.</li> <li>• Use the periodic table to calculate the <b>relative formula mass.</b></li> <li>• Calculate the number of <b>moles</b></li> <li>• Explain the process of <b>electrolysis</b> in terms of loss and gain of electrons.</li> </ul>	<p><b>Unit/ Topic title: Physics 1 paper content</b></p> <p><b>Learning weeks: 48 lessons</b></p> <p><b>Key learning (knowledge and skills):</b></p> <ol style="list-style-type: none"> <li>1. P1 Conservation and dissipation of energy (10 lessons)</li> <li>2. P2 Energy transfer by heating (5 lessons)</li> <li>3. P3 Energy resources (6 lessons)</li> <li>4. P4 Electric circuits (8 lessons)</li> <li>5. P5 Energy in the home (7 lessons)</li> </ol> <ul style="list-style-type: none"> <li>• Explain the difference between different types of <b>energy</b> transfer</li> <li>• Explain how energy changes can occur in <b>energy systems</b></li> <li>• Explain the disadvantages of using <b>fossil fuels</b> as an energy source.</li> <li>• Compare and contrast the advantages and disadvantages of different energy resources</li> <li>• Suggest the reasoning behind an increased demand for <b>renewable energy resources</b></li> <li>• Recall the symbols in <b>circuit</b> diagrams</li> <li>• Use formula to calculate <b>charge</b> and <b>potential difference.</b></li> <li>• Compare and contrast <b>direct</b> and <b>alternating</b> current.</li> </ul>

Recall key and detailed facts of **topic areas and** always appropriate terminology in answers (key words and phrases) Explain the relationships between scientific advances, their ethical implications and the benefits and risks associated with them.

### **AO2 Applying knowledge**

Apply knowledge effectively in a **wide range** of contexts. And use theories to make **detailed** explanations of events. Make effective use of data to support evidence. **Consistently rearrange** equations in calculations.

### **AO3 Analyse & Evaluate**

Evaluate information **from a wide range of sources systematically** to develop arguments and explanations. **Consistently draw detailed, evidence-based** conclusions. Spot causes of error and uncertainty in data or experimental procedures.

**AO4 Scientific literacy** Recall the unit and/or symbol of **every** quantity. **Faultless** spelling and correct use of punctuation, sentences, capital letters and paragraphs.

**Practical skills** Demonstrate mostly accurate and appropriate knowledge and understanding and apply these mostly correctly to familiar and unfamiliar contexts, using mostly accurate scientific terminology. Evaluate methodologies to suggest improvements to experimental methods, and comment on scientific conclusions

**Assessment: 30 minute assessments including 6 mark exam questions**

## **Assessment objectives**

### **AO1 Remember**

Recall key and detailed facts of **topic areas and** always appropriate terminology in answers (key words and phrases) Explain the relationships between scientific advances, their ethical implications and the benefits and risks associated with them.

### **AO2 Applying knowledge**

Apply knowledge effectively in a **wide range** of contexts. And use theories to make **detailed** explanations of events. Make effective use of data to support evidence. **Consistently rearrange** equations in calculations.

### **AO3 Analyse & Evaluate**

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## **Assessment objectives**

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**Practical skills** Demonstrate mostly accurate and appropriate knowledge and understanding and apply these mostly correctly to familiar and unfamiliar contexts, using mostly accurate scientific terminology. Evaluate methodologies to suggest improvements to experimental methods, and comment on scientific conclusions

1. Cell structure and transport
2. Cell division
3. Animals, tissues and organs 1
4. Animals, tissues and organs 2
5. Communicable diseases

The preparation for exam technique will be incorporated in to the assessment carried out at the end of each lesson which applies knowledge and understanding to specific topics. Exam questions from exam pro will be used for this.

**Key vocabulary:** Highlighted or in bold

**Core texts:**

- CGP revision guide
- AQA GCSE Science textbooks

**Key websites and media to support learning:**

- Free science lessons
- You tube video links
- GCSE bite size science

**Assessment: 30 minute assessments including 6 mark exam questions**

1. Atomic structure
2. The periodic table
3. Structure and bonding
4. Chemical calculations chemical changes

The preparation for exam technique will be incorporated in to the assessment carried out at the end of each lesson which applies knowledge and understanding to specific topics. Exam questions from exam pro will be used for this.

**Key vocabulary:** Highlighted or in bold

**Core texts:**

- CGP revision guide
- 2.AQA GCSE Science textbooks

**Key websites and media to support learning:**

- Free science lessons
- You tube video links
- GCSE bite size science

**Assessment: 30 minute assessments including 6 mark exam questions**

1. Conservation and dissipation of energy
2. Energy transfer by heating
3. Energy resources
4. Electric circuits
5. Energy in the home

The preparation for exam technique will be incorporated in to the assessment carried out at the end of each lesson which applies knowledge and understanding to specific topics. Exam questions from exam pro will be used for this.

**Key vocabulary:** Highlighted or in bold

**Core texts:**

- CGP revision guide
- AQA GCSE Science textbooks

**Key websites and media to support learning:**

- Free science lessons
- You tube video links
- GCSE bite size science

**Year 10 Science**

**Autumn Term 14 WEEKS**

**Spring Term 14 WEEKS**

**Summer Term 14 WEEKS**

**Unit/ Topic title: Preparation for Biology paper 1, Chemistry paper 1 and Physics paper 1**

**Learning weeks:**

**AO1 Remember**

Recall key and detailed facts of **topic areas and** always appropriate terminology in answers (key words and phrases) Explain the relationships between scientific advances, their ethical implications and the benefits and risks associated with them.

**AO2 Applying knowledge**

Apply knowledge effectively in a **wide range** of contexts. And use theories to make **detailed** explanations of events. Make effective use of data to support evidence. **Consistently rearrange** equations in calculations.

**AO3 Analyse & Evaluate**

Evaluate information **from a wide range of sources systematically** to develop arguments and explanations. **Consistently draw detailed, evidence-based** conclusions. Spot causes of error and uncertainty in data or experimental procedures.

**AO4 Scientific literacy** Recall the unit and/or symbol of **every** quantity. **Faultless** spelling and correct use of punctuation, sentences, capital letters and paragraphs.

**Unit/ Topic title: Teaching of Biology paper 2, Chemistry paper 2 and Physics paper 2**

**Learning weeks:**

**AO1 Remember**

Recall key and detailed facts of **topic areas and** always appropriate terminology in answers (key words and phrases) Explain the relationships between scientific advances, their ethical implications and the benefits and risks associated with them.

**AO2 Applying knowledge**

Apply knowledge effectively in a **wide range** of contexts. And use theories to make **detailed** explanations of events. Make effective use of data to support evidence. **Consistently rearrange** equations in calculations.

**AO3 Analyse & Evaluate**

Evaluate information **from a wide range of sources systematically** to develop arguments and explanations. **Consistently draw detailed, evidence-based** conclusions. Spot causes of error and uncertainty in data or experimental procedures.

**AO4 Scientific literacy** Recall the unit and/or symbol of **every** quantity. **Faultless** spelling and correct use of punctuation, sentences, capital letters and paragraphs.

**Unit/ Topic title:**

**Teaching of Biology paper 2, Chemistry paper 2 and Physics paper 2**

- Practical focus fortnight
- Maths focus week
- Literacy focus week

**Learning weeks: 4 weeks**

**AO1 Remember**

Recall key and detailed facts of **topic areas and** always appropriate terminology in answers (key words and phrases) Explain the relationships between scientific advances, their ethical implications and the benefits and risks associated with them.

**AO2 Applying knowledge**

Apply knowledge effectively in a **wide range** of contexts. And use theories to make **detailed** explanations of events. Make effective use of data to support evidence. **Consistently rearrange** equations in calculations.

**AO3 Analyse & Evaluate**

Evaluate information **from a wide range of sources systematically** to develop arguments and explanations. **Consistently draw detailed, evidence-based** conclusions. Spot causes of error and uncertainty in data or experimental procedures.

**AO4 Scientific literacy** Recall the unit and/or symbol of **every** quantity. **Faultless** spelling and correct use of punctuation, sentences, capital letters and paragraphs.

### Practical skills

Demonstrate mostly accurate and appropriate knowledge and understanding and apply these mostly correctly to familiar and unfamiliar contexts, using mostly accurate scientific terminology. Evaluate methodologies to suggest improvements to experimental methods, and comment on scientific conclusions

### **Key learning (knowledge and skills):**

#### Biology paper 1 preparation

1. Cell biology
2. Organisation
3. Infection and response
4. Bioenergetics

- The structure and functioning of cells and how they divide by mitosis and meiosis from sections
- **Cell biology and Meiosis.**
- That variation occurs when gametes fuse at fertilisation from section
- **Sexual and asexual reproduction.**
- The two essential reactions for life on Earth: photosynthesis and respiration from sections
- **Photosynthetic reaction and Aerobic and anaerobic respiration.**
- Metabolism is the sum of all the reactions happening in a cell or organism, in which molecules are made or broken down from.

#### Chemistry paper 1 preparation

### **Key learning (knowledge and skills):**

### Practical skills

Demonstrate mostly accurate and appropriate knowledge and understanding and apply these mostly correctly to familiar and unfamiliar contexts, using mostly accurate scientific terminology. Evaluate methodologies to suggest improvements to experimental methods, and comment on scientific conclusions

### **Key learning (knowledge and skills):**

#### Biology paper 2 teaching

1. Homeostasis and response
2. Inheritance, variation and evolution
3. Ecology

- Explain that **homeostasis** is the regulation of the internal conditions of a cell or organism to maintain **optimum** conditions for function in response to internal and external changes.
- State the levels of **organisation** within an ecosystem.
- **Describe pyramids of biomass and transfer through trophic levels.**
- Suggest some of the biological challenges of increasing food **yields** using fewer resources.
- Explain how **variation** can be due to environmental and **inherited** factors.
- Describe **Darwin's** theory of evolution
- Explain how **selective breeding** can be used to produce **offspring** with desired characteristic.

#### Chemistry paper 2 teaching

1. The rate and extent of chemical change

### Practical skills

Demonstrate mostly accurate and appropriate knowledge and understanding and apply these mostly correctly to familiar and unfamiliar contexts, using mostly accurate scientific terminology. Evaluate methodologies to suggest improvements to experimental methods, and comment on scientific conclusions

### **Key learning (knowledge and skills):**

#### Physics paper 2 preparation

1. Forces
2. Waves
3. Magnetism and electromagnetism

- Explain the relationship between **current, potential difference and resistance.**
- Complete a practical and interpret results to compare the relationship between **V=IR.**
- Compare and contrast **series** and **parallel** circuits.
- Explain the **domestic** uses of electricity and suggest some safety requirements.
- Compare the features of **longitudinal** and **transverse** waves.
- List some common uses of **electromagnetic** waves
- Explain what is meant by **induction.**
- Describe how you can produce an **electromagnet**
- Explain the **motor** effect

1. Atomic structure
2. The periodic table
3. Structure and bonding
4. Chemical calculations
5. Chemical changes

- Explain the structure of the **atom** and suggest how the development of the periodic table evolved.
- Draw dot and cross diagrams
- Compare and contrast **ionic** and **covalent** bonding.
- Suggest properties based on the type of bonding which exists.
- Use the periodic table to calculate the **relative formula mass**.
- Calculate the number of **moles**
- Explain the process of **electrolysis** in terms of loss and gain of electrons.

### Physics paper 1 preparation

1. Conservation and dissipation of energy
  2. Energy transfer by heating
  3. Energy resources
  4. Electric circuits
  5. Energy in the home
- Explain the difference between different types of **energy** transfer
  - Explain how energy changes can occur in **energy systems**
  - Explain the disadvantages of using **fossil fuels** as an energy source.
  - Compare and contrast the advantages and disadvantages of different energy resources
  - Suggest the reasoning behind an increased demand for **renewable energy resources**
  - Recall the symbols in **circuit** diagrams

2. Organic chemistry
3. Chemical analysis
4. Chemistry of the atmosphere
5. Using resources

- Explain the factors that influence the **rate of reaction**.
- Define what a **catalyst** is
- Explain what is meant by a **reversible** reaction and the concept of **dynamic equilibrium**.
- Explain how different **separating** techniques work
- Define **purity**
- Explain what is meant by **conservation of mass** and the quantitative interpretation of balanced equations.
- Complete a **life cycle assessment**
- Explain how the process of **fractional distillation** works and the importance of **cracking**
- Compare different methods of **extracting and purifying metals** with reference to a reactivity series with oxygen and the position of carbon within it.
- The balance between **equilibrium** position and rate in industrial processes.
- Describe the composition and evolution of the **Earth's atmosphere** since its formation.
- List **carbon dioxide** and **methane** as greenhouse gases.
- List some common **atmospheric pollutants** and their sources.
- Explain how we obtain **potable** water.

- **Practical** focus fortnight
- **Maths** focus week
- **Literacy** focus week

- Recap the **required** practical
- Focus on **interpreting** data
- Practising **6 mark exam questions**

**Assessment:** Specific exam questions on practical and mathematical aspect

**Key vocabulary:** highlighted

**Core texts:** CGP revision guide

**Key websites and media to support learning:**  
Freescience videos

- Use formula to calculate **charge** and **potential difference**.
- Compare and contrast **direct** and **alternating** current.

**Assessment: Biology paper 1, Chemistry paper 1 and Physics paper 1**

Exam questions with some self-assessment opportunities

**Key vocabulary:** highlighted

**Core texts:** CGP combined trilogy revision guide

**Key websites and media to support learning:**  
G.C.S.E bite size science  
Freescience videos

**Assessment: Biology paper 2, Chemistry paper 2 and Physics paper 2, PPE examinations**

Exam questions with some self-assessment opportunities

**Key vocabulary:** highlighted

**Core texts:** CGP combined trilogy revision guide

**Key websites and media to support learning:**  
G.C.S.E bite size science  
Freescience videos

**Year 11 Science**

**Autumn Term (+14 weeks)**

**Spring Term (+14 weeks)**

**Summer Term (+14 weeks)**

**Unit/ Topic title: Preparation for Biology paper 1, Chemistry paper 1 and Physics paper 1**

**Learning weeks:**

**AO1 Remember**

Recall key and detailed facts of **topic areas and** always appropriate terminology in answers (key words and phrases) Explain the relationships between scientific advances, their ethical implications and the benefits and risks associated with them.

**AO2 Applying knowledge**

Apply knowledge effectively in a **wide range** of contexts. And use theories to make **detailed** explanations of events. Make effective use of data to support evidence. **Consistently rearrange** equations in calculations.

**AO3 Analyse & Evaluate**

Evaluate information **from a wide range of sources systematically** to develop arguments and explanations. **Consistently** draw **detailed, evidence-based** conclusions. Spot causes of error and uncertainty in data or experimental procedures.

**AO4 Scientific literacy** Recall the unit and/or symbol of **every** quantity. **Faultless** spelling and correct use of punctuation, sentences, capital letters and paragraphs.

**Practical skills**

**Unit/ Topic title: Preparation for Biology paper 2, Chemistry paper 2 and Physics paper 2**

**Learning weeks:**

**AO1 Remember**

Recall key and detailed facts of **topic areas and** always appropriate terminology in answers (key words and phrases) Explain the relationships between scientific advances, their ethical implications and the benefits and risks associated with them.

**AO2 Applying knowledge**

Apply knowledge effectively in a **wide range** of contexts. And use theories to make **detailed** explanations of events. Make effective use of data to support evidence. **Consistently rearrange** equations in calculations.

**AO3 Analyse & Evaluate**

Evaluate information **from a wide range of sources systematically** to develop arguments and explanations. **Consistently** draw **detailed, evidence-based** conclusions. Spot causes of error and uncertainty in data or experimental procedures.

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**Practical skills**

**Unit/ Topic title:**

- Practical focus fortnight
- Maths focus week
- Literacy focus week

**Learning weeks: 4 weeks**

**AO1 Remember**

Recall key and detailed facts of **topic areas and** always appropriate terminology in answers (key words and phrases) Explain the relationships between scientific advances, their ethical implications and the benefits and risks associated with them.

**AO2 Applying knowledge**

Apply knowledge effectively in a **wide range** of contexts. And use theories to make **detailed** explanations of events. Make effective use of data to support evidence. **Consistently rearrange** equations in calculations.

**AO3 Analyse & Evaluate**

Evaluate information **from a wide range of sources systematically** to develop arguments and explanations. **Consistently** draw **detailed, evidence-based** conclusions. Spot causes of error and uncertainty in data or experimental procedures.

**AO4 Scientific literacy** Recall the unit and/or symbol of **every** quantity. **Faultless** spelling and correct use of punctuation, sentences, capital letters and paragraphs.

**Practical skills**

Demonstrate mostly accurate and appropriate knowledge and understanding and apply these mostly correctly to familiar and unfamiliar contexts, using mostly accurate scientific terminology. Evaluate methodologies to suggest improvements to experimental methods, and comment on scientific conclusions

### Key learning (knowledge and skills):

#### Biology paper 1 preparation

5. Cell biology
6. Organisation
7. Infection and response
8. Bioenergetics

- The structure and functioning of cells and how they divide by mitosis and meiosis from sections
- **Cell biology and Meiosis.**
- That variation occurs when gametes fuse at fertilisation from section
- **Sexual and asexual reproduction.**
- The two essential reactions for life on Earth: photosynthesis and respiration from sections
- **Photosynthetic reaction and Aerobic and anaerobic respiration.**
- Metabolism is the sum of all the reactions happening in a cell or organism, in which molecules are made or broken down from.

#### Chemistry paper 1 preparation

### Key learning (knowledge and skills):

6. Atomic structure

Demonstrate mostly accurate and appropriate knowledge and understanding and apply these mostly correctly to familiar and unfamiliar contexts, using mostly accurate scientific terminology. Evaluate methodologies to suggest improvements to experimental methods, and comment on scientific conclusions

### Key learning (knowledge and skills):

#### Biology paper 2 preparation

1. Homeostasis and response
2. Inheritance, variation and evolution
3. Ecology

- Explain that **homeostasis** is the regulation of the internal conditions of a cell or organism to maintain **optimum** conditions for function in response to internal and external changes.
- State the levels of **organisation** within an ecosystem.
- **Describe pyramids of biomass and transfer through trophic levels.**
- Suggest some of the biological challenges of increasing food **yields** using fewer resources.
- Explain how **variation** can be due to environmental and **inherited** factors.
- Describe **Darwin's** theory of evolution
- Explain how **selective breeding** can be used to produce **offspring** with desired characteristic.

#### Chemistry paper 2 preparation

1. The rate and extent of chemical change
2. Organic chemistry

Demonstrate mostly accurate and appropriate knowledge and understanding and apply these mostly correctly to familiar and unfamiliar contexts, using mostly accurate scientific terminology. Evaluate methodologies to suggest improvements to experimental methods, and comment on scientific conclusions

### Key learning (knowledge and skills):

- **Practical** focus fortnight
- **Maths** focus week
- **Literacy** focus week
  
- Recap the **required** practical
- Focus on **interpreting** data
- Practising **6 mark exam questions**

#### GCSE Exam dates 2019

#### AQA Combined Science (Trilogy)

Date	Exam	Time	Duration
14 <sup>th</sup> May	Biology Paper 1	PM	1h 15m
16 <sup>th</sup> May	Chemistry Paper 1	AM	1h 15m
22 <sup>nd</sup> May	Physics Paper 1	PM	1h 15m
07 <sup>th</sup> June	Biology Paper 2	PM	1h 15m
12 <sup>th</sup> June	Chemistry Paper 2	AM	1h 15m
14 <sup>th</sup> June	Physics Paper 2	AM	1h 15m

**Assessment:** Specific exam questions on practical and mathematical aspect

7. The periodic table
8. Structure and bonding
9. Chemical calculations
10. Chemical changes

- Explain the structure of the **atom** and suggest how the development of the periodic table evolved.
- Draw dot and cross diagrams
- Compare and contrast **ionic** and **covalent** bonding.
- Suggest properties based on the type of bonding which exists.
- Use the periodic table to calculate the **relative formula mass**.
- Calculate the number of **moles**
- Explain the process of **electrolysis** in terms of loss and gain of electrons.

#### Physics paper 1 preparation

6. Conservation and dissipation of energy
  7. Energy transfer by heating
  8. Energy resources
  9. Electric circuits
  10. Energy in the home
- Explain the difference between different types of **energy** transfer
  - Explain how energy changes can occur in **energy systems**
  - Explain the disadvantages of using **fossil fuels** as an energy source.
  - Compare and contrast the advantages and disadvantages of different energy resources
  - Suggest the reasoning behind an increased demand for **renewable energy resources**
  - Recall the symbols in **circuit** diagrams

3. Chemical analysis
4. Chemistry of the atmosphere
5. Using resources

- Explain the factors that influence the **rate of reaction**.
- Define what a **catalyst** is
- Explain what is meant by a **reversible** reaction and the concept of **dynamic equilibrium**.
- Explain how different **separating** techniques work
- Define **purity**
- Explain what is meant by **conservation of mass** and the quantitative interpretation of balanced equations.
- Complete a **life cycle assessment**
- Explain how the process of **fractional distillation** works and the importance of **cracking**
- Compare different methods of **extracting and purifying metals** with reference to a reactivity series with oxygen and the position of carbon within it.
- The balance between **equilibrium** position and rate in industrial processes.
- Describe the composition and evolution of the **Earth's atmosphere** since its formation.
- List **carbon dioxide** and **methane** as greenhouse gases.
- List some common **atmospheric pollutants** and their sources.
- Explain how we obtain **potable** water.

#### Physics paper 2 preparation

**Key vocabulary:** highlighted

**Core texts:** CGP revision guide

**Key websites and media to support learning:**

Freescience videos

- Use formula to calculate **charge** and **potential difference**.
- Compare and contrast **direct** and **alternating** current.

Assessment objectives

**Assessment: Biology paper 1, Chemistry paper 1 and Physics paper 1**

Exam questions with some self-assessment opportunities

**Key vocabulary:** highlighted

**Core texts:** CGP combined trilogy revision guide

**Key websites and media to support learning:**

G.C.S.E bite size science

Freescience videos

4. Forces
5. Waves
6. Magnetism and electromagnetism

- Explain the relationship between **current**, **potential difference** and **resistance**.
- Complete a practical and interpret results to compare the relationship between **V=IR**.
- Compare and contrast **series** and **parallel** circuits.
- Explain the **domestic** uses of electricity and suggest some safety requirements.
- Compare the features of **longitudinal** and **transverse** waves.
- List some common uses of **electromagnetic** waves
- Explain what is meant by **induction**.
- Describe how you can produce an **electromagnet**
- Explain the **motor** effect

**Assessment: Biology paper 2, Chemistry paper 2 and Physics paper 2, PPE examinations**

Exam questions with some self-assessment opportunities

**Key vocabulary:** highlighted

**Core texts:** CGP combined trilogy revision guide

**Key websites and media to support learning:**

G.C.S.E bite size science

Freescience videos



