

## **Re: Year 7 Science assessment 2024**

Dear Parent/carer,

I am writing to you to make you aware that all year 7 pupils will have a Science assessment on 9th or 10th of May 2024. These assessments in part will help inform us on their progress and for setting in year 8.

**X population will sit theirs Thursday 9th Period 1**

**Y population will sit theirs Friday 10th Period 4**

**Z population will sit theirs Thursday 9th Period 4**

The assessment will cover Biology, Chemistry and Physics topics mentioned below.

- The assessment will take place during lesson time.
- The assessment will be approximately 45 minutes.
- We encourage all students to use the available resources such as **previous revision materials provided by teachers, Pixl Powerpoints, knowledge organisers, KS3 revision on Google Drive, BBC Bitesize and CGP KS3 revision guides** as well as **Tassomai**. **There will also be a link to the study skills drive on their Google classroom where they can find all the Science PLC's and Knowledge organisers.**
- Page numbers for the revision guides have been included by each subtopic to help direct revision (please see overleaf)

All Students should bring the following to their exam:

- x2 Pens (blue or black)
- Pencil
- Ruler
- Rubber
- **Scientific calculator**

If you have any questions please do not hesitate to contact me on [dgajjar@brookvalegroby.com](mailto:dgajjar@brookvalegroby.com)

Yours sincerely,

Ms Gajjar

Assistant Faculty Lead Science (KS3)

KS3 Progress Lead

## What to Revise

### **Biology Organisms 1 (p2&3, p14&15)**

- Skeleton
- Joints
- Muscles
- Animal and Plant Cells
- Adaptation of Cells
- Unicellular Organisms

### **Genes 1 (p21-27)**

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- Looking at variation
- Exploring causes of variation
- Considering the importance of variation
- Understanding the female reproductive system and fertility
- Understanding the male reproductive system and fertilisation
- Learning how a foetus develops
- Understanding factors affecting a developing foetus
- Communicating ideas about smoking in pregnancy

### **Chemistry Matter 1 (p49-51 & 62-64)**

- Particles
- Solids, Liquids and Gases
- Diffusion
- Changes in state
- Separating Mixtures
- Solutions
- Distillation
- Chromatography

### **Reactions 1 (p67-90)**

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- Properties of metals and non-metals
- Using metals and non-metals
- Exploring the reactions of metals with acids
- Understanding displacement reactions
- Understanding oxidation reactions
- Exploring acids
- Exploring alkalis
- Using indicators
- Exploring neutralisation
- Investigating neutralisation

### **Physics Forces 1 (p120-121, 123-128, 162)**

- Speed (p. 120)
- Forces (p. 123 – 128)
- Gravity (p. 162)
- Mass and Weight (p. 162)
- Distance vs. Time Graphs (p. 121)

### **Waves 1 (p136-150)**

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- Exploring sound and what it is
- Hearing sounds
- Understanding how sound travels through materials
- Learning about the reflection and absorption of sound
- Exploring properties of light
- Exploring reflection
- Exploring refraction
- Seeing clearly
- Seeing colour