

Re:Year 7 Science assessment 2022

Dear Parent/carer,

I am writing to you to make you aware that all year 7 pupils will have a Science assessment the week beginning **2nd May**. These assessments in part will help inform us on the setting for year 8. Currently students are in mixed ability sets so the data taken from the assessment will enable us to ensure your child is in the correct class.

They will take place Thursday or Friday depending on when your child's timetabled lesson is (Z population on Thursday 5th May & Y/X populations on Friday 6th May)

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, Seneca, Edpuzzle, knowledge organisers, KS3 revision on Google Drive, BBC Bitesize and CPG KS3 revision guides.**
- Page numbers for the revision guides have been included by each subtopic to help direct revision.

What to Revise

What to Revise		
<p>Organisms 1 (p2&3, p14&15)</p> <ul style="list-style-type: none"> ● Skeleton ● Joints ● Muscles ● Animal and Plant Cells ● Adaptation of Cells ● Unicellular Organisms <p>Genes 1 (p21-27)</p> <ul style="list-style-type: none"> ● 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 	<p>Matter 1 (p49-51 & 62-64)</p> <ul style="list-style-type: none"> ● Particles ● Solids, Liquids and Gases ● Diffusion ● Changes in state ● Separating Mixtures ● Solutions ● Distillation ● Chromatography <p>Reactions 1 (p67-90)</p> <ul style="list-style-type: none"> ● Properties of metals and on-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 	<p>Forces 1 (p120-121, 123-128, 162)</p> <ul style="list-style-type: none"> ● Speed (p. 120) ● Forces (p. 123 – 128) ● Gravity (p. 162) ● Mass and Weight (p. 162) ● Distance vs. Time Graphs (p. 121) <p>Waves 1 (p136-150)</p> <ul style="list-style-type: none"> ● 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

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

Yours sincerely,

Ms Gajjar

Assistant Faculty Lead Science (KS3)