

Lower School Report 2 | Year 8 Spring Term

Attainment Descriptors

Developing	Improving	Meeting	Exceeding
Students rarely demonstrate that they have met any of the criteria.	Students occasionally demonstrate that they meet some of the criteria for the term.	Students demonstrate that they regularly meet most of the criteria below.	Students almost always demonstrate that they meet all criteria. Often, they will take advantage of opportunities to broaden their understanding of the subject.

Year 7 Science Students work in rotation throughout the year. This means that not all students will have studied the same topics at the time of report issue. Below is a table detailing which topics have been covered by each group. If students have not covered a topic this term, they will do so next term.

Biology Ecosystems	Chemistry Reactions	Physics Waves

Subject	Learning Criteria	Resources to support your child at home
Biology Ecosystems	Students can describe the difference between aerobic and anaerobic respiration and use the correct word equations. Students can explain why specific activities involve aerobic and anaerobic. Students can describe photosynthesis using a word equation. Students can explain how a leaf is adapted for photosynthesis. Students can state the factors that affect the rate of photosynthesis. Students can describe how a plant uses minerals for healthy growth.	https://www.bbc.co.uk/bitesize/topics/zvrrd2p/articles/zdqx2v4 https://www.bbc.co.uk/bitesize/topics/zvrrd2p/articles/zn4sv9q

<p>Chemistry Reactions</p>	<p>Students can describe the the model of chemical change and conservation of mass.</p> <p>Students can write word equations for combustion and thermal decomposition reactions.</p> <p>Students explain observations about mass in chemical or physical change.</p> <p>Students can describe endothermic and exothermic reactions.</p> <p>Students can use energy level diagrams to explain energy changes in changes of state and chemical reactions.</p> <p>Students can state what happens to chemical bonds during exothermic and endothermic reactions.</p>	<p>https://www.bbc.co.uk/bitesize/topics/zypsgk7/articles/zxh7jsg</p> <p>https://www.bbc.co.uk/bitesize/topics/zypsgk7/articles/zb7wwnb</p>
<p>Physics Waves</p>	<p>Students can compare transverse and longitudinal waves.</p> <p>Students can describe how sound is produced and travels.</p> <p>Students can describe the the link between amplitude and loudness and frequency and pitch.</p> <p>Students can describe how the ear works and how hearing can be damaged.</p> <p>Students can describe how light can be reflected and refracted and construct ray diagrams to show it.</p> <p>Students can name parts of the eye and explain how we see colour.</p> <p>Students can describe the electromagnetic spectrum.</p>	<p>https://www.bbc.co.uk/bitesize/topics/zw982hv/articles/zh28jsg</p> <p>https://www.bbc.co.uk/bitesize/topics/zw982hv/articles/zq26nk7</p>