Lower School Report 1 | Year 7 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** Forces

Subject	Learning Criteria	Resouces to support your child at home
Biology Ecosystems	Students can describe what food chains and food webs show . Students can explain the different factors that affect the food chain. Students can describe different ecosystems in terms of the habit and communities that live there. Students can explain how competition in an ecosystem works. Students can describe the process of fertilisation and germination in plants and flowers. Students understand that some cells are specialised for a specific purpose and can give examples of these. Students can describe the process of seed dispersal.	https://www.bbc.co.uk/bitesize/topics/zxhhvcw/articles/zjh4r2p https://www.bbc.co.uk/bitesize/topics/zxhhvcw/articles/zw46m39

Chemistry Reactions	Students can describe the characteristics of a chemical reaction. Students can compare the properties of acids and alkalis and use pH to identify acids and alkalis. Students understand how to make salts from acids and bases and recall the method. Students can describe the chemical reactions of metals and non-metals. Students can compare the reactions of metals with acids, water and oxygen. Students can understand displacement reactions and place an unfamiliar metal in the reactivity series.	https://www.bbc.co.uk/bitesize/topics/zypsgk7/articles/zwxhk2p https://www.bbc.co.uk/bitesize/topics/zypsgk7/articles/z9sptrd
Physics Forces	Students can describe what a force is and recall the unit of force. Students can explain force diagrams and calculate resultant force from different types of force. Students can calculate speed and describe a journey from a distance-time graph. Students understand the difference between weight and mass and how gravitational force varies. Students describe pressure in gases and liquids and stress in solids. Students can explain how pressure is calculated and the effects of changing pressure. Students can describe the turning moment of the force and be able to calculate it.	https://www.bbc.co.uk/bitesize/topics/z4brd2p/articles/zs3896f https://www.bbc.co.uk/bitesize/topics/z4brd2p/articles/zw9qwnb