

## CURRICULUM INTENT

All students leave Benton Park as research ready scientists with an enquiring mind. They can understand and apply the scientific process (theory - hypothesis - experiment - analysis - evaluation) to new concepts in the wider world. No matter what their future career and occupation, students are equipped with the skills to thrive in a changing world and explore new ventures.

## A RESEARCH READY BENTON PARK SCIENTIST:

- Recalls fundamental concepts within science and records accurate measurements from scientific instruments.
- Explains key scientific ideas fluently and explains reasons behind the steps in experimental procedures.
- Articulates links between their learning across all the specialisms within science and analyses data and links conclusions to explain real life phenomenon.
- Connects their learning to explain abstract real life phenomenon and critically evaluates the reliability and accuracy of experimental procedures and data.

## BENTON PARK SCHOOL VALUES

In Science, students:



- Develop **resilience** by problem solving and learning how to apply multiple equations to solve real life problems.



- **Collaborate** with each other to develop team skills and strategies in experimental practicals and research projects.



- **Endeavour** to plan and conduct rigorous and reproducible experimental investigations to test scientific hypotheses.



- Develop **compassion** through studying how our everyday actions are impacting our environment and what we can do to reduce this and make a more sustainable world.



- Are **inspired** by the range of great Scientists we expose them to such as Maggie Aderin Pocock, while finding inspiration in how people of different backgrounds are working towards creating sustainable living.

