

Beit Shvidler Science

Substantive Knowledge



Substantive Knowledge is the knowledge that we want the children to gain by the end of Year 6.

Chemistry – The study of matter and it's reactions and properties.

Biology - The study of living organisms.

Physics - The study of forces and motion.

Sustainability - using natural resources in a way that we could keep doing for a long time.

Disciplinary Knowledge

Disciplinary knowledge is how the children apply their knowledge as scientific skills

1) Recognise

2) Identify

3) Explore

4) Research

5) Describe

6) Compare

7) Conclude

8) Design

9) Sequence

10) Record

11) Predict

12) Interpret

13) Observe

14) Fair Test

15) Plan

16) Invent

17) Ask (Follow Up Questions)

18) Invent

19) Explain

20) Measure

21) Communicate

22) Evaluate

Our Scientists will leave Beit Shvidler with an understanding of how the world works through the lens of Science. You will have an appreciation, respect and awe for the natural world which will enable you to become a responsible and active citizen. Through the approach of working scientifically, you will be confident to hypothesise, test and evaluate your predictions. You will start to examine how information is constructed and how testing can be fair. Through science, Beit Shvidler children will also develop the skills of observation that will allow them to ask questions, think deeply and understand how building a basis of scientific evidence will help them to reach rational conclusions.