READ. WRITE. THINK.

MATHS

BENTON PARK

READ

WHEN MATHEMATICIANS **READ THEY:**

- Show attention to detail.
- Look for keywords in the text.
- Translate each line of a problem into mathematical structures.
- Interpret text within the context it is written in.
- Look for links between mathematics they know.
- Understand mathematically specific words with a dual meaning e.g table.
- Interpret charts, sketches, data, diagrams and graphs.
- Predict what's going to come next.

WRITE

WHEN MATHEMATICIANS **WRITE THEY:**

- Construct chains of reasoning.
- Demonstrate algebraic competency and mathematical grammar such as cursive x and capital letters for geometric labelling.
- Use logic notation and set theory.
- Use accurate drawing and labelling of graphs, diagrams and charts.
- Use correct mathematical terminology.
- Show vertical working in chains of equality.

THINK

WHEN MATHEMATICIANS **THINK THEY:**

- Demonstrate spatial awareness and use of known geometrical concepts.
- Show confidence in making a start on an unknown problem.
- Recognise that making mistakes is part of the process of solving.
- Recognise patterns.
- Make connections between branches of mathematics.