



**Bierton CE Combined School**  
**Maths Curriculum Map: Algebra**



**Progression of knowledge & skills**

**Year 6**

**N.C. Link**

- use simple formulae
- generate and describe linear number sequences
- express missing number problems algebraically
- find pairs of numbers that satisfy an equation with 2 unknowns
- enumerate possibilities of combinations of 2 variables

**When is this topic taught in our school?**

**Spring:** Weeks 8-9

**Cultural Capital opportunities**

Year 5 – Space – Hidden Figures (Black Mathematicians)

Year 6 – WW2 – Alan Turing and the enigma code

**Achievement for All**

As stated in our vision and pedagogy, at Bierton CE Combined School, we aspire for all children to achieve and ‘keep up’ rather than ‘catch up’. In order to promote this, we implement a range of strategies throughout the school.

**Strategies:**

- Live marking and feedback within each lesson identifies children who require support and clarification of misconceptions
- Pre-teaching interventions at the start of the school day
- Interventions during the school day
- Focused support in class
- Additional opportunities provided to help children make connections and consolidate their learning
- Continued use of concrete manipulatives to embed core facts

Class teachers respond to the needs of the children in their class. The Maths No Problem approach includes ‘white space’ days, which allow teachers to provide additional teaching opportunities if a topic is not yet secure. As a result, some objectives covered may differ from the weeks stated in this document.

**Opportunities beyond the National Curriculum**



## Bierton CE Combined School

### Maths Curriculum Map: Algebra

- Children in Early Years and Key Stage 1 have access to Numbots.
- Children in Year 2 begin to use Times Table Rock Stars in the Spring Term.
- Children in Key Stage 2 have access to Numbots and Times Table Rock Stars.
- Maths Medley / Fun with Numbers after school clubs offer enrichment activities.
- Maths No Problem provides 'white space' days to explore topics in further detail.
- Cross-curricular opportunities provided in other subjects (e.g. statistics in Science and topic).
- Children throughout the school celebrate Number Day
- Challenges provided throughout the year to promote enthusiasm and engagement.
- Year 6 children participate in Young Enterprise.

Please refer to our long term plan for reference to possible alterations for when certain objectives will be taught.