Braidwood School

Year 9 **Maths** Learning Journey

Summer 2

What part of maths is the problem linked to?

Can we do the maths?

Can I solve real life problems?

Does the answer make sense?

What is the problem?

What maths skills do I need?

How many steps to solve the problem?

Pre assessments

What is bias?

Is the information true?

Can I read a timetable?

Can I read different types of graphs?

How can we sort data?

What is the probability that …?

Impossible, Unlikely, Even Chance, Likely, Certain; 0, 1; 1-in-6 Chance, 4-in-5 Chance

Can I workout all the averages?

How can we collect idata?

Summer 1

What is the position and direction of shapes?

What are the 4 transformations?

Transformations in Math: Rotation, Reflection, Translation, Dilation

What different ways can we change shapes?

Translation, Rotation, Reflection, Enlargement

What is symmetry?

Reflection, Rotation, Translation, Glide-reflection

How do we organise shapes?

How do you turn left and right?

Can you plan a route?

Pre assessments

Spring 2

What is an equation?

$2x + 3 = 6$

What is a number sequence?

Sequence? 1, 3, 5, 7, …

Pre assessments

What is a formula?

$$F = \frac{9C}{5} + 32$$

What is an expression, variable and constant?

Terms: $5x - 3$; Coefficient, Variable, Constant

$4x + 2x + 1$

$6x + 1$

What algebra skills do I need?

Spring 1

How much change? Which is the best buy?

How can we order these objects?

What is the weight?

What is the capacity?

What are the units of measurement?

60s, KG

What is the difference?

What is the length?

length, width

What is the time?

What is the duration?

How old?

Pre assessments

Autumn 2

How do we know how to calculate?

Can I solve simple word problems?

WORD PROBLEMS

What number facts do I need to know?

7: 3, 4

The Four Operations

What number skills do I need to know?

What resources are available to solve number problems?

What do we do with numbers?

What is a digit?

153: digit digit digit

Who uses numbers?

What is a number?

Pre assessments

Autumn 1