



*Believe. Achieve. Succeed Together.*

**Iver Village Junior School**  
**Maths beyond the Maths Lesson**  
**Guidance 2023**

**Article 28, 29**

***Education must develop every child's personality, talents and abilities to the full***

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### **Maths beyond the lesson**

At Iver Village Junior School, all pupils are explicitly taught maths lessons daily. However, in order to ensure that all pupils become fluent mathematicians, we know that maths must be embedded in their daily lives. Therefore, there is opportunity for learning and embedding maths knowledge, practising maths skills and utilising maths learning throughout the school day.

### **Maths across the curriculum**

There are many natural links between the wider primary curriculum and the maths curriculum.

The below table offers examples of the maths knowledge and skills that are utilised across the curriculum at IVJS.

<b>Subject</b>	<b>Maths opportunities</b>
History	Timelines – ordering dates Calculating how long ago Roman Numerals
Geography	Grid references Position and direction Weather and climate – comparing temperatures Time zones – difference between time zones
Science	Collecting data – tally and totals Presenting data – choosing and drawing appropriate graphs Comparing and interpreting data Measuring – using scales
DT	Collecting data – views for product development Presenting collected data Cooking – using scales
Art	Exploring lines, angles and shapes
Computing	Using timers Collecting and presenting data Spreadsheets to explore probability Spreadsheets for budgeting
PE	Keeping score Timing games Timing speed Gymnastics – $\frac{1}{2}$ turns, $\frac{1}{4}$ turns, full turns

### **Maths in the day to day**

Maths skills are also used in our every day lives. The below table identifies the ways in which our maths skills are used outside of specific learning times.

Telling the time – reading clocks	Teachers continually refer to both digital and analogue clocks in the classroom. Explicitly stating the time and pointing out what the clock looks like at this time. They may extend this further to asking pupils to state the time and explain what the clock looks like.
Telling the time – duration	Teachers will give pupils a stated time for different activities. They may use timers to make this clear and point out what the clocks look like at the start and end of the duration.
Playground games	Pupils have access to playground games which utilise their maths skills. These include building blocks which helps to explore space, 100 square and clock floor markings, board games and sports games.

### **Maths challenges**

In order to develop fluency and provide opportunity for retrieval practise, we have several maths challenges embedded into our school life which engage, motivate and inspire our pupils.

Times Table Rock Stars	All pupils have a TTRS account which they can use both in school and at home. Pupils can practise set times tables and engage in battles and competitions organised in school.
Cracking Maths	In cracking maths, pupils compete against themselves! They have 3 minutes to complete their cracking maths challenge and aim to move through the challenges over their time at IVJS.
Times Table Mastery League	Times Table Mastery League at IVJS is an exciting weekly competition for times tables. Pupils have 5 minutes to complete a 12 x 12 times table grid. They compete to be the quickest, most accurate and most improved competitor. Both fluency and progress in Times Table Mastery League are celebrated in our weekly celebration assembly.
Flashback 4	Teachers utilise the White Rose Flashback 4 resources throughout the week such as during Early Morning work or registration times.