Bursley Academy - Rapid Recall Maths Expectations and processes

What is Rapid Recall Maths at Bursley?

Rapid Recall Maths (RRM), is a 20/ 30-minute slot of mathematics that is in addition to the main session. It should take place 3 times a week, and pupils should be given the chance to recap over past learning, through completing the Flash back 4 challenges on the WRM website. Children should also be given the opportunity to practise and rehearse their KIRFS (Key instant recall facts), to ensure that they can recall them with accuracy and speed. Pupils in the relevant year groups should also be given regular opportunities to explore SATS style problems and consolidate their knowledge of the multiplication facts through games, activities and by playing TT Rock Stars, in preparation for the Multiplication Check.

KIRFS are a way of helping a child to learn by heart, key facts and information which they need to have instant recall of. KIRFs are designed to support the development of mental maths skills that underpin much of the maths work in school. Frequent practise is essential to ensure fluent recall.

Expectations

- 20/ 30minute lesson- 3 times a week
- RRM books are used to record work- small A5 squared books
- Children complete the Flash back 4, to recap learning from the current and previous topics.
- Children practise KIRFS, so that facts are consolidated frequently.
- Handouts are sent out at the beginning of each half term to parents to share the KIRF for that half term, as well as teaching strategies and top tips for learning the key facts. This is to encourage parent engagement and support, so that children can be consolidating and practising KIRFS facts at home as well as at school. (See PPT of pre- made parent handouts). The PPT will also be made available on the school website.
- Year 2 and Year 6 pupils have the opportunity to explore SATS style questions- teachers should unpick these with the pupils and explore efficient methods for calculating.
- Year 4 pupils should be given sufficient time to practise their multiplication facts- through games, activities and by playing on TT Rock Stars.
- Reactive activities are to take place during this time, for those pupils who needs to recap learning from the main maths session. This enables pupils to receive prompt support, feedback and intervention.
- Work is discussed and peer marked, so not to provide additional marking and work load for teachers.
- KIRF/RRM learning journey sheet for the relevant year group should be pasted in the front of the KIRFS book (this is saved in the core subject area).
- Start each half term by pasting in the relevant page from the progression document. Then assess against the KIRF to be focused on- progress checks have been created and are saved in the core subjects area. Follow this up with a sequence of activities and tasks, then reassess at the midpoint and then again at the end of the half term. Use the same progress check to do this. Record the scores on the KIRF/ RRM learning journey sheet. Use this learning journey tracking sheet to identify any pupils who require further intervention and consolidation.

Sequence of Work

Year 2 and Year 6-

- Flash back 4 from the WRM
- KIRFS practise
- Test base/ SATS type questions to unpick and explore- focusing on strategies/ efficient methods and not just the final answer.

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Year 4-

- Flash back 4 from WRM
- KIRFS practise
- Times table practise/ TT Rock Stars

Other Years-

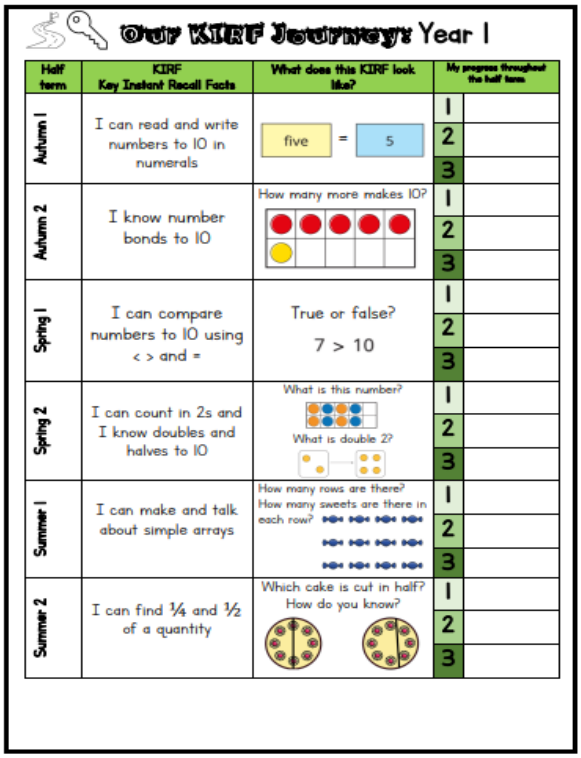
- Flash back 4 from WRM
- KIRFS practise

Preparation-

Extensive planning, preparation and resourcing is not essential. The Rapid Recall Maths should not require the same level of preparation as the daily maths lesson. For the RRM sessions, key questions can be displayed on a PPT on the IWB and children can work through these, recording in their books. Brief notes can be added to the weekly maths plan to outline the focus of the week's sessions.

Topic:		Week Commencing:			
RRM:					
Resources	**CK**	**Input**	**Differentiated activities**	**Plenary**	**Evaluation**

At the start of the year, paste in the learning journey for the relevant year group.



Our KIRF Journey: Year 1

Half term	KIRF Key Instant Recall Facts	What does this KIRF look like?	My progress throughout the half term	
Autumn 1	I can read and write numbers to 10 in numerals	five = 5	1 2 3	
Autumn 2	I know number bonds to 10	How many more makes 10?	1 2 3	
Spring 1	I can compare numbers to 10 using < > and =	True or false? 7 > 10	1 2 3	
Spring 2	I can count in 2s and I know doubles and halves to 10	What is this number? What is double 2?	1 2 3	
Summer 1	I can make and talk about simple arrays	How many rows are there? How many sweets are there in each row?	1 2 3	
Summer 2	I can find ¼ and ½ of a quantity	Which cake is cut in half? How do you know?	1 2 3	

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At the start of each new unit paste in the relevant page from the progression document, so that each half term is clearly identifiable.

Key Instant Recall Facts

Year 1 – Autumn 1

By the end of this half term, children should know the following facts. The aim is for them to recall these facts **with speed and accuracy:**

I can read and write numbers to 10 in numerals

Children should be able to identify numbers to 10 and write them in numerals.

For example, children should be able to match the numeral to the word.

Key vocabulary

1, 2, 3, 4, 5, 6, 7, 8, 9, 10

digit

one two three four

five six seven eight

nine ten

Top tips

The secret to success is practising ***little*** and ***often*** Use time wisely. Can you practise this KIRF whilst walking to school or during a car journey? You do not need to practise all aspects of the KIRF all at once, perhaps you could have a fact of the day, or a few facts per week to practise? If you would like more ideas, please speak to your child's teacher.

Practical resources and ideas

Write a number between 1 and 10 in words and ask your child to write the numeral, as well as vice versa. Collect a number of objects and ask your child to write how many in numerals and words.