Year 5

Topic

Homework

Summer 2

Our Topic is: Space

Optional Topic Homework

How it works:
You will get four house points for handing in
one of the Topic tasks by Monday 14th July

You can present your homework in the style of your choice.
Great things to try:

- Create a fact file about an astronaut of your choice

- Write a journal for a day in life of an astronaut on the International Space Station

- Design a new rocket which would carry astronauts and travel to a neighbouring planet

- Create a model which represents day and night

- Design a new planet and alien world – what features does this planet have? How does life survive on this planet?

- Create a model/poster of the different moon phases

- Keep a night journal for a week – look at the moon and draw what you can see. Has the moon moved into a new phase?

Year 5 Summer 2 Spellings Group 1

How it works:

These are the spellings your child will see each week on Spelling Shed. Each Friday your child will see a new list of spellings to learn at home. A dictation will take place the following Wednesday to test how well your child has learned their spellings. Your child's spelling score will be sent home in the front of their CGP homework book.

Week 1 Challenge words	Week 2 Words with hyphens	Week 3 Challenge words	Week 4 Revision words	Week 5 Revision words	Week 6 Revision words
achieve	co-author	afterwards	accompany	conscious	ascend
apparent	co-operate	amateur	achieve	constant	awkward
bargain	co-ordinate	ancient	advice	controversy	conscience
bruise	co-own	changeable	affect	comfortable	dough
community	re-educate	deceive	aisle	earlier	probably
mischievous	re-energise	doubt	bought	elegance	receive
muscle	re-enter	knight	cereal	fictitious	species
necessary	re-evaluate	referring	definitely	frequent	thought
vehicle	re-examine	sincere	guessed	manageable	transferring
system	re-explain	immediate	though	understandable	writer

Dear parent/carers

As part of our development of maths fluency and number recall, we have a Key Instant Recall Fact (KIRF) focus each half term for each year group. These are number facts the children need to recall fluently. In school, within the mental maths sessions, one objective will be practised for each half term in order for children to really embed and learn the facts quickly and deeply.

In order for the children to practise these at home as well, we are providing you with an information sheet, which explains the KIRF in more detail, with examples of what it looks like, games to play and websites to visit. The idea is that you can help them recall the facts little and often and work with us to ensure our children are as fluent with recalling number facts as they can be.

Many thanks,
Mrs Pickering -Ernst
Assistant Headteacher and Maths Lead

KIRF's Key Stage Two Overview						
Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Three	Multiplication and division facts for 3 times table	Counting in 4's and 8's	Multiplication and division facts for 4 times table	Multiplication and division facts for 8 times table	Use known multiplication facts to find facts scaled by 10 For example: 5 x 3 = 15 50 x 3 = 150	Number bonds to 100
Four	Multiplication and division facts for 6 times table	Multiplication and division facts for 9 times table	Multiplication and division facts for 7 times table	Multiplication and division facts for 12 times tables	Multiplication and division facts for 11 times tables	Use known multiplication facts to find facts scaled by 100 For example: 5 x 3 = 15 so 500 x 3 = 1500
Five	Multiplication and division facts for all numbers up to 12 x 12	Use known multiplication facts to find facts scaled by tenths **or** hundredths For example: 5 x 3 = 15 0.5 x 3 = 1.5	Factors pairs of whole numbers (recognising prime numbers to 20)	Decimal pairs to 1 For example: 0.7 + 0.3 = 1 0.12 + 0.82= 1	Square numbers and the number squared	Doubles and halves of numbers to 100
Six	Multiplication and division facts for all numbers up to 12 x 12	Multiply and divide numbers by 10, 100 and 100 up to 3 decimal places	Use known multiplication facts to derive facts scaled by tenths **and** hundredths For example: 5 x 3 = 15 0.5 x 30 = 15	Common multiples and factors pairs of whole numbers	Recall prime numbers to 20 and know prime numbers to 100	Doubles and halves of numbers to 1000

Key Instant Recall Facts (KIRF's)
Year 5 Summer 2

Key Instant Recall Facts are number facts that we want our children to be fluent with and able to recall instantly.

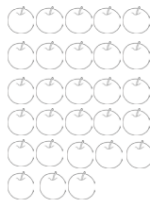By the end of this half term children in year 5 should be able to

<div style="border:2px solid red;">

recall doubles and halves to 100

</div>

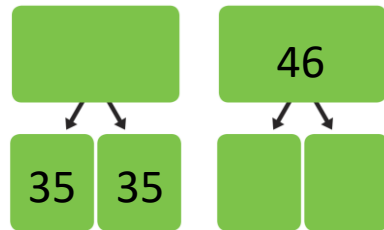## What this looks like:

Double 45
Double 40 is ___
Double 5 is ___

Double 58
Double 50 is ___
Double 8 is ___

28

Double 28 is _____

Half of 28 is _____

| 46 |

| 35 | 35 |

Halve the numbers

90 85 32 28

Practical ideas

Write the digits 1-9 on small pieces of paper. Turn two over to make a 2 digit number- double it. Repeat halving (but make sure the ones is even)
Roll two dice to make a 2 digit number- double it.

Vocabulary

double
half/halve
equal parts
whole
two lots
two equal groups

Online games:

Hit the Button - Quick fire maths practise for 6-11 year olds (topmarks.co.uk) (doubles or halves, Doubles to 50 or Doubles from 50 – 100)

Number bonds to 100 - Maths - Learning with BBC Bitesize - BBC Bitesize

Interactive number bonds games ONLINE free + worksheets (matheasily.com) (sum to 100)

The secret to success is practising little and often. Can you practise these KIRFs while walking to school or during a car journey? You do not need to practise them all at once; perhaps you could have a fact of the day. If you would like more ideas, please speak to your child's teacher.