The Glapton Academy
Year 5 Newsletter
Autumn Term 2– 2021

Out of This World!

Have you ever wondered what is in space? What is in our Solar System and what are the names of the planets? Do the planets move around? If so, why do they do this? Why do we have day and night and does the Sun move across the sky or is something else happening?
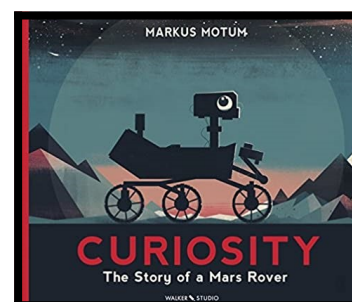
Well, this half term we will be answering all of these questions through experiments, models and role play. If you would like to conduct some research beforehand, then please do. Use our homework mat for some inspiration.

To continue our knowledge and understanding of space, we will also be researching, designing, making and evaluating our own Space Buggy in Design Technology. To make this successful, we need to be creative and constantly analyse our ideas and products. We can't wait to see what you will come up with!
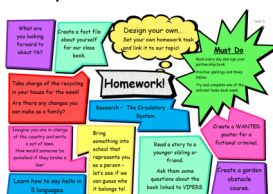
Book recommendation

Curiosity: The Story of a Mars Rover

Markus Motum

Discover the incredible story of the search for life on Mars, told from the unique perspective of Curiosity, the Mars Rover sent to explore the red planet. Markus Motum's stylish illustrations and diagrams reveal how a robot travelled 350,000,000 miles to explore a planet where no human has ever been.

Homework

All children will be given homework every **Friday.** This must be completed by the following **Wednesday.** Homework given will always be a reconsolidation of learning that has taken place in school.

In addition to this, a homework menu will be provided each half term. These tasks will cover a range of skills. Children can choose as many additional tasks as they like to fit in with their busy schedules at home.
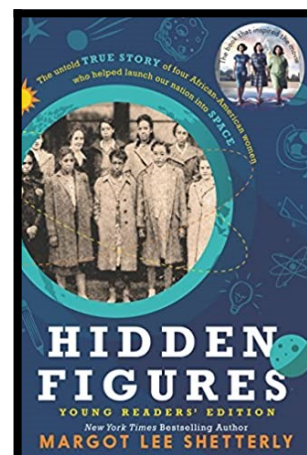

English

Our class novel for this half term is Hidden Figures by Margot Lee Shetterly. It is the story about four African-American female mathematicians at NASA who helped achieve some of the greatest moments in our space program whilst also living through the Civil Rights era, the Space Race , the Cold War and the movement for gender and race equality.

As we read this novel, we will be discussing important issues that the women faced during this time.

We will be writing a character description, a persuasive letter campaigning for fair education, and an informal letter from the mathematician, Katherine Johnson to her children.

Maths

This half term, we will be using all of our place value knowledge from last term to learn about statistics, multiplication and division and perimeter and area.

In statistics, we will be reading and interpreting information in tables and graphs and solving problems based on these graphs. We will also learn how to draw our very own line graph!

During multiplication and division, we will be using concrete materials and models to support our learning so that we can build up to solving problems. We will learn all about squared, prime and cubed numbers and find out about factor pairs.

We will also be measuring and calculating the perimeter and area of different shapes using a variety of measurements.

Please practice TT Rockstars at home. There is no trick to being able to do these other than practice so any support that you can give your child at home to learn these off by heart would be greatly appreciated.

Maths Vocabulary
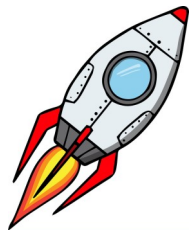
Database
Line graph
Maximum/minimum value
Outcome

Inverse
Square
Squared
Cube
Cubed
Prime
Factor pairs

Multiplication
Division

Area
Perimeter
Covers
Square centimetre (cm²)
Square metre (m²)
Square millimetres (mm²)

PE

Our PE days will be on a **Tuesday** and **Thursday** this half term, however your child's PE kit must be in school every day as this can change. Please ensure your child has the correct PE kit clearly labelled with their name.

We will also be doing the Daily Mile every week.

PE kit consists of:

Plain white t-shirt

Black shorts (inside)

Plain black joggers (outside)

Trainers (outside)

Plimsolls/ bare foot (inside)

Partnership Books

We will be continuing our reading reward system which was launched earlier this year. Each class will become '**Reading Rocketeers'** aiming to get to 'space' (200 reads) by the end of the academic year. Children are encouraged to read at home every day and to make a note in their partnership book every time they read outside of school. After every 20 reads, they will get one step closer to space and will be rewarded with a token which they can 'spend' on prizes and, of course, books!

Spellings

All children will be given spelling words to learn each **Friday**.

These should be practised at home as often as possible and different words with the same spelling pattern will be tested in school the following **Friday**.

We are looking forward to working with you and your child.

Miss Cartwright and Miss Shah

Dates for your diary

2nd and 3rd November — Life Ed Bus PSHE Workshop

10th November- Whole School Drop In 9-10am.

12th November—Children in Need

W/B 15th November– Anti Bullying Week: One Kind Word.

17th November—Kindness PSHE Challenge Day

25th November– Cherry Class Assembly

7th December—KS2 Christmas Concert

15th December—Christmas Lunch and Christmas Jumper Day

16th December– Class Christmas Party