

Seva School - Homework

Summer 2nd half term theme: Gallery Rebels

Year and Class: 6SS & 6GS

Information for parents/carers: Each week your child will be expected to pick one challenge from the three given in each subject area below. Over the course of a half term, your child will be expected to have completed six challenges altogether and these must be two from each subject area. Each week homework books will be expected in school on Wednesday morning and they will be marked and returned on Friday. If your child forgets their book or is absent the book will be marked the following Wednesday. If you have any questions regarding the homework, please speak to your child's class teacher for further information and support. Thank you.

Subject	Challenge 1	Challenge 2	Challenge 3
English:	<p>Research Banksy - a well-known graffiti artist - and write a non-chronological report about him and his work. Include names of his famous pieces of art and facts about his style of working.</p> <p>Research facts and statistics that argue for and against the view that graffiti is art and include them in your report.</p>	<p>Research Claude Monet - a famous artist - and create a ppt about his life and work. Who was he? When was he born and when did he die? What was his style of art? Pick an image of one of his pieces of art and write a description of it. If he was alive today what would you ask him?</p>	<p>Research an artist of your choice and write a fact file about them. Why are they famous? What style of art are they known for? What kind of style do use? How would describe the form of art they produce? Write a timeline of their life and work. Find out about some examples of their work and name them, If you could interview them what would you ask them about their art?</p>
Maths:	<p>Four Integers</p> <p>1. Using four different integers and the x symbol make the highest possible result.</p> <p>All the integers have to be used.</p> <p>For example: 3, 7, 5, 1 gives $157 \times 3 = 471$ or $37 \times 51 = 1887$.</p> <p>2. Now chose four other integers and make the largest result using only multiplication.</p> <p>3. What conclusions can you make?</p> <p>4. What predictions can you make about 5, 6, ... digits?</p> <p>Chicken and Sheep</p> <p>A farmer looks across a field of chicken and sheep. He counts 26 heads and 74 legs. How many chicken and sheep does he have?</p> <p>Try to represent this problem in different ways: pictures, models, cubes, graph, algebra, using 26 children, etc...</p>	<p>Zios and Zepts</p> <p>On the planet Vuv there are two sorts of creatures. The Zios have 3 legs and the Zepts have 7 legs.</p> <p>The great planetary explorer Nico, who first discovered the planet, saw a crowd of Zios and Zepts. He managed to see that there was more than one of each kind of creature before they saw him. Suddenly they all rolled over onto their backs and put their legs in the air.</p> <p>He counted 52 legs. How many Zios and how many Zepts were there?</p> <p>Path Pattern</p> <p>Heather is laying a new path. She is using a mixture of grey and pink slabs. Here is her pattern.</p>  <p>How many pink slabs would she need if her path had a total of:</p> <ul style="list-style-type: none"> ■ 24 slabs? ■ 40 slabs? ■ 100 slabs? <p>How do you know your answers are correct?</p>	<p>Repeating Patterns</p>  <p>This pattern has been made from squares of two colours. What colour will the 17th cube in the sequence be? What about the 20th? 100th cube? Can you convince someone else you are right? Can you find a way of predicting the colour of any square? What about these patterns?</p>   <p>Make up some repeating patterns of your own using two colours. See if you can find a way of predicting what colour any square will be.</p>

Science :	Research various food chains and draw and label them using key vocabulary, for example, consumer, prey, herbivore, carnivore etc...	Carry out an investigation to find out the best conditions to keep food fresh. Select one food type i.e. bread and test at least 4 different conditions. Ensure you complete your investigation write up consisting of: <ul style="list-style-type: none">- Aim- Apparatus- Diagram- Method- Fair test- Results- conclusion	Create a PowerPoint presentation on a well-known scientist i.e. Benjamin Franklin, Albert Einstein, Thomas Edison, Stephen Hawking. Be sure to include key information related to your chosen scientist's life as well as scientific achievements and accomplishments.
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