

Subject-Led Home Learning Projects

Our subject-led home learning projects have been designed to help our students extend their learning beyond the classroom, to practise transferring knowledge and skills learnt in school to other areas of their lives.



The activities in each project are all optional, and provide parents and carers with a list of tasks that can be selected to suit their child's interests and home routines. Above all they should be engaging and fun, not a chore!

How to complete the project:

- *Ask your child to choose one activity at a time that interests them to complete. Depending on the task, there may be a level of support/supervision required from an adult.*
- *Your child may choose to complete each task in a number of ways: producing something **on paper**, as **3D models**, through **photographs** or **videos**, or through an **adult's written account** of actions he/she took.*
- *Anything produced for the project should be kept together (perhaps in a folder) until the end of term.*
- *The projects should then be handed in to your child's form tutor before the deadline set.*
- ***Prizes** will be given out for the most impressive home learning projects each term.*



Maths Home Learning Project

Term 1/2

During Terms 1 and 2, the students' Maths project will require them to plan an in-class celebration/party using their maths skills to support planning and creating party games that apply mental maths and recall strategies

Through this project, they will be learning about:

- Number, including: number facts, operations, patterns, fractions and decimals
- Geometry: 2D and 3D shapes
- Measures: Time and money

In order to consolidate their school learning we invite students to try some of these fun activities at home:

 <h3>Time – Design a TV Guide</h3> <p>What time do your favourite programmes start? What time do they finish? Can you calculate the length in minutes? Then, design a TV guide with this information.</p>	<h3>Plan you're adventure!</h3>  <p>Plan a day trip – it could be a trip to the cinema, a bowling alley, a train journey to Scotland, a bus to the seaside, anywhere! Where are you going? How will you get there? Can you work out the journey from a timetable? How much money will you need?</p>	<h3>Shape – Get Crafty!</h3> <p>Can you create an autumnal themed card with a picture entirely made of shapes? You could create one for Halloween, Bonfire Night, Christmas, someone's birthday – but the challenge is to use a range of shapes!</p> 
 <h3>Food Fractions</h3> <p>Can you make a pizza or a cake and decorate it/add toppings to represent one half and one quarter of the cake/pizza? Then, as you're cutting it can you cut it into halves then quarters? Which is bigger?</p> 	<h3>Money</h3>  <p>Can you find the total of items during your family shop? Can you write a list and find the prices? Can you calculate change from a given value?</p>	<h3>Party Games</h3>  <p>Can you design a party game using your maths skills? You might like to make a board game focussing on addition or subtraction challenges, a beanbag toss using 5 or ten times tables – the choice is up to you!</p>
 <h3>Shape – 3D Shape Hunt</h3> <p>Usually we go on shape hunts for 2D shapes, this time look for 3D shapes! You might like to do this on a walk, in your own home or the supermarket – 3D shapes are everywhere, how many examples can you find?</p>	 <h3>Symmetry in Nature</h3> <p>Can you take photos and build up a collection of examples of symmetry in the world around you? These could be leaves, buildings, flowers or animals!</p> 	<h3>Patterns</h3>   <p>Can you find examples of repeating patterns in your environment and photograph them? Can you use natural resources to create your own repeating patterns?</p> 

Project Deadline: Friday 11th December 2020 *Hand your finished project in to your form tutor, or email them directly to the Assistant Principal for Subject-Led Learning, Liz Brobyn-Ross:*

liz.brobyn-ross@meadowfield.kent.sch.uk