

# Y5 LEARNING GRID – Autumn TERM 2019

Our theme this term is Fairness and Equality. We have made the tasks as cross-curricular as possible. The grid has been devised so that you can select and complete the tasks that appeal to you most. **During this term, you need to complete ONE English OR Maths task weekly. In addition ONE piece of Thematic OR Science work will be expected each week (TWO pieces of home learning each week).** This term we have included some suggested daily Maths activities to reinforce key skills. **These however do not count as a Maths homework task**, just ideas to keep the Maths brain ticking over. Home Learning books should be returned for marking on a **Monday** and will be given back on a **Wednesday**. Have fun and most importantly enjoy learning!

<b>English</b>	Research African traditional tales. Re-write it in your own words. Remember to write in detail and use effective and creative language. Including direct speech is also a plus!	Write an information text about a famous, historical English author e.g. Charles Dickens, Emily Bronte, E.M. Forster, and Enid Blyton. This could be in the form of a report or biography, for example.	Write a persuasive text to encourage tourism to a West African country. Try to include famous landmarks and unique experiences.	Write an information leaflet about Dakar – the capital of Senegal.	Write a letter to a friend living in Cape Verde describing the town where you live and key cultural elements of living in England.	Investigate homophones e.g. there, their and they're. Can you list 20?	Using the picture of Sierra Leone, a dictionary or thesaurus and your creative imagination, generate as much interesting vocabulary as you can to describe what you can see in the picture. Include metaphors and similes.
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<b>Maths</b>	When cooking at home, help to weigh and measure accurately. Record ingredients and measurements.	Using Timetable Rockstars Complete 5 or more challenges.	Using the four rules of number (addition, subtraction, multiplication and division), investigate as many possible ways to make the target number 100.	Plan a party. You have a budget of £100. You are catering for you and 10 guests. What food and drink will you buy? Don't forget to budget for plates and cups!	Find and learn all the prime numbers up to at least 100. What patterns do you notice?	How many multiples of 7 can you find using a 100 square? Explain your reasoning for each.  E.g. 14 is a multiple of 7 because I know that $2 \times 7 = 14$ .	Find out the population for 10 countries of your choice. Order these from largest to smallest in a recording table. Include a column which shows the number rounded to an appropriate decimal place.
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<b>Suggested Daily Maths activities</b>	Derive and recall number bonds to 100.	Ask a family member to test you on your multiplication facts	Learn off by heart the equivalent fractions, decimals and percentages for a half, a quarter and three quarters.	Write four calculations for each operation daily. Remember to select numbers that will challenge you. Can you use the inverse to check your answer?	Invent your own mathematical word problem for a family member.	Learn times tables (up to $12 \times 12$ ) and recall these at speed.	For the duration of the week, calculate the number of hours you have been at school.

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<b>Topic</b>	Choose a West African country. Find images of life in a rural and urban setting within that country and make a collage.	Investigate the Fairtrade website. <a href="https://www.fairtrade.org.uk/">https://www.fairtrade.org.uk/</a> Write a paragraph summarise what fair trade is and why it is important.	Sketch a famous West African building. E.g: Great Mosque of Djenné – Mali, Independence Square, Accra, Ghana, Basilica of our Lady of Peace – Yamoussoukro Ivory Coast, Stone Circles Of Senegambia, Koutammakou - Togo	Draw your own map of the continent of Africa. Label the countries and include oceans and seas surrounding it. Research the rivers and landscape features.	Research and write the recipe and instructions for a traditional West African dish. What do you notice about the ingredients? If you wanted to make it would you need to research any substitutes for ingredients we don't sell here? You could even have a go at making it and take some photos.	Research and find 8 African proverbs. Can you explain the meaning behind these? Are there any links to fairness and equality?	Investigate traditional African dance movements. Learn 4 moves that can be shared during dance lessons this term. If possible, take a photograph for your home learning book.
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<b>Science</b>	Look around your bedroom and list the materials you can see. Do you know how they were made? (What things are made of not the object itself.)	Choose a kitchen implement. Create a fact file for it which includes scientific information about what it is made of and why. Which properties does the material have which make it fit for purpose?	Find the definitions of the following properties and record them in your books: Opaque, brittle, rough, transparent, flexible, translucent, magnetic, waterproof, synthetic, absorbent, smooth, strong, shiny, absorbent, rigid. You can use a dictionary if you need to. List objects that match each property	Investigate how water can be changed into different states. If possible, take photographs.	Draw a detailed diagram of the water cycle. Explain the process for each stage of the cycle. Use the links below to help you find out about the water cycle: <a href="http://www.bbc.co.uk/bitesize/ks2/science/materials/changing_states/read/5/">http://www.bbc.co.uk/bitesize/ks2/science/materials/changing_states/read/5/</a> <a href="https://www.bbc.com/bitesize/clips/zh4rkqt">https://www.bbc.com/bitesize/clips/zh4rkqt</a>	Make a list of all the gases that are around you at school and at home. Challenge: which gases are important to plants and humans? How are these linked?	Find some solids to test whether they dissolve in water- salt, sugar, coffee, bicarbonate of soda, baking powder. Test each solid and record your results. <b>Challenge question: Do some things dissolve in hot water but not in cold?</b> With support from an adult, boil some water and test each solid.
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### **Family Learning**

This is a flexible option. The aim is to provide families with opportunities to take part in something together or to use this as a free pass, so that you could, if needed, take a week off from the home learning grid. You could go to your local supermarket and see how many Fairtrade products you can find, maybe even talk to the manager about products that you can't find fair trade options for.

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**Included in the homework pack:**

- Times tables grids
- List of keywords – these are words that you need to understand and spell by the end of the year. These can be learnt during the term at home.
- 100 square
- Squared paper
- Picture of Sierra Leone to annotate with vocabulary



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100