

Class 5 Curriculum Update

Monday 30th March 2020

Monthly values – Patience and Love



Hello to both parents and children! Firstly, I hope you are all well and managing to get into a new structure and routine at home. I hope that you all have been able to take the opportunity for home learning whilst fitting around your other family requirements in these challenging times. I hope you have enjoyed some of the activities suggested last week, as I will continue to send out some more until we return to school. Feel free to keep using and adapting anything from previous weeks.

Thank you for your support. Here are some suggestions for activities/tasks at home:

- Have you had a go at making your own 'Honda - the cog' chain reaction? Remember this probably won't work first time! The key skills are adapting, adjusting, refining and tweaking your design to enable it to work. If it doesn't work - it is just an opportunity to adapt it for next time.
- Those children that were in school on the last day before we closed were given a broad bean to take home. Hopefully you have followed the instructions and got your broad bean in a jar with some water and sunlight. My bean has just started to sprout at the weekend! Keep a chart to monitor how tall your plant is every day. Sketch the bean plant every week to see how it develops and grows. I'd love to find out whose plant has grown the most when we return to school!
- Some of you may already have seen the 30 day Lego challenge. A copy is posted below. You do not need to do these in order, simply choose one that appeals most to you and have fun creating! As an additional challenge I would like to set you a '25 piece' challenge! What is the most interesting thing you can create from 25 lego pieces? It is up to you to decide what the 25 pieces are. Remember - 'Everything is awesome'!
- I'm sure most of you will have access to a camera at home (ask nicely and your parents may let you borrow their phone!). I'd like to set you a photo challenge about the theme 'circles'. What can you find around your home that would make an interesting photo about circles? The more abstract the better! Think about the composition of your photo. How can you emphasise or make the circles stand out in your photo?
- Use <https://scratch.mit.edu/> to practise your coding skills. In class, we made a version of the classic computer game 'pong'. See if you can replicate this and make some amendments and improvements. Go to 'ideas', 'choose a tutorial' and 'pong game' for some guidance with this.
- Education city <https://ec1.educationcity.com/> (children all have their own log in details) has had its difficulties recently but I have set some different homework challenges and activities should you be able to access it.
- Look at the picture of the magic door below. I want you to imagine that this door can take you anywhere in the world, in the past or in the future! Where would you go to? What would you do there? Can you write a story about what might happen? Try to include a fronted adverbial, subordinate clause, relative clause and different types of punctuation. See the learning guidance on the Year 5 webpage for reminders on these grammatical features. Have fun writing!
- Take the opportunity to write a letter to someone you know, friend or family. I'm sure there are many people who would absolutely love to receive a letter or a picture whilst they are at home. Receiving a letter can brighten anyone's day up.

30 Day LEGO Challenge				
Follow the instructions for each day. The only rule is to have fun and use your imagination!				
Day 1	Day 2	Day 3	Day 4	Day 5
You were hired by an amusement park to create a new roller coaster.	NASA needs you to build a new rocket.	Your parents want to build a new home and they want you to build it.	Hollywood hires you to build a movie set for a new Star Wars movie.	
Day 6	Day 7	Day 8	Day 9	Day 10
You enter a contest to build the world's tallest screen. Will you win?	You are stuck on Mars and need to build a new ship to get home.	Ford hires you to create the toughest pick-up truck in the world.	You and 4 friends are stranded on an island. Build a boat to find a way home.	Captain Hook needs a new pirate ship and wants you to build it.
Day 11	Day 12	Day 13	Day 14	Day 15
Dr. Who hires you to build a new TARDIS.	You are asked by the President to build a new monument to George Washington.	Mr. Hilton hires you to build a new hotel.	There is a storm in town. Build a place for the performance.	Help your fellow pioneers build a wagon to make it across the country.
Day 16	Day 17	Day 18	Day 19	Day 20
The city wants you to build a bridge to connect one side of the town to the other.	Build the fastest car around and join the big car race.	Help your fellow pioneers build a wagon to make it across the country.	Build the fastest car around and join the big car race.	Build the fastest car around and join the big car race.
Day 21	Day 22	Day 23	Day 24	Day 25
The city wants you to build a bridge to connect one side of the town to the other.	Please party! It is up to you to make a pizza for all the guests.	You are hired to build a brand new hospital.	The fence is broken and the dog keeps escaping. Build one he can't get out of.	The fence is broken and the dog keeps escaping. Build one he can't get out of.
Day 26	Day 27	Day 28	Day 29	Day 30
You are elected ruler. Build a flag for your land.	Aliens are invading and you need to build a war robot to defeat them.	The aliens have taken over. They are impressed by your robot. They want you to build one for them.	You are hired to build a house entirely out of yellow Legos.	There is a blizzard. You will need to build a snowmobile.
				What was your favorite day?



- Did any of you do the sleep investigation study with the clocks 'springing' forward this weekend? I'm interested to know if your reaction times were slower after the clocks changed or not.



I have a new science investigation for you this week. Using 3 pieces of paper or card, roll one to make a cylindrical column, fold one (into three equal pieces) to make a triangular column and fold one (into four equal pieces) to make a square based column. See picture on left. Which shape (when stood up) will support the most weight? What is your prediction? Try loading each column with anything like books or DVD cases. Make it a fair test by doing one at a time and using the same objects for each column. Record your results on a chart. Finally, why do you think that shaped column was the strongest? Can you come up with an explanation for why that shape is best? Are there any variables you could change and repeat the experiment?

As Mr Batstone has said in his daily updates, it is really important to maintain and develop some frequent and regular basic skills. Take the opportunity to spend at least 15-20 minutes daily on:

- Reading.** Can be anything of interest from novels and fact books to magazines and internet articles. Reading should be about whatever takes your interest and be enjoyable. Take the opportunity to add to your 40 reads.
- Handwriting.** Keep regular practise of writing in cursive (joined-up) handwriting. In class we focus on showing correct letter sizes i.e. which letters are taller than others. You can practise handwriting with any sentences, but the following uses every letter of the alphabet so you may want to use it to practise - The quick brown fox jumps over the lazy dog. Note the t,h,k,f,l,b,d are all taller letters. Try copying out a paragraph from your reading book.
- Times Tables.** 'trockstars' is an excellent way to practise and develop your rapid recall of times table facts. In years 5 and 6, it is really important that all times tables facts can be recalled correctly and quickly as these are used for solving longer more complex multiplications, solving long divisions, solving areas of shapes and integral in working with fractions. If you don't want to use trockstars then think about how else you can practise. Perhaps someone can quiz you or you could use flashcards?
- Spellings.** Spellingshed is a great resource for practising the words associated with Year 5. I am updating these lists every week for you to practise. Remember that if you prefer, you can practise on paper. Choose a way to practise from your spelling menu (in your diaries) that works for you. Have fun with it!

Other useful websites for ideas for activities: <https://whiterosemaths.com/homelearning/> (Maths home learning resources)

<https://www.bbc.co.uk/bitesize/levels/zbr9wmn> (Easy to follow guidance for a range of KS2 subjects)

<https://classroommagazines.scholastic.com/support/learnathome.html> (Learn at home resources)

<https://schools.firstnews.co.uk/> (School newspaper and associated reading texts and puzzles)

Thank you for your support with these activities. Please try to enjoy the activities suggested!

I look forward to seeing you all soon! Please take care in the meantime and look after each other.