

Years 5 and 6 Remote Residential – 22nd – 26th June 2020

Dear children of years 5 and 6,

Due to COVID-19, this year's residential trip has been unable to go ahead. But fear not, because the year 5 and 6 teachers are still putting on a residential week that you will never forget!

On the following pages, you will find a timetable that we have created for next week's 'remote residential', and a list of different activities that you have the choice of taking part in.

Some of these activities you MUST do every day including making your bed and, with your parent's permission, making your own breakfast. You will also need to keep an online diary of your week and we would love to see you attach photographs of what you get up to.

Each day, we will also be meeting up at regular intervals to check in and see how you are getting on. We will also be eating lunch together every day just like we would if we were on our residential trip!

As this is a year 5 and 6 week, we will need a place to all get together so we will be meeting in the 'Whole Prep School' team where a special channel will be created for you. All of this information will be explained to you by your teachers so that you know exactly what you are doing and where you need to be throughout the week.

If you have any questions, please ask us, your teachers, and we will do our best to answer them.

We can't wait to have an amazing week with you all and I hope that you are just as excited, even if our residential is at home this year!

See you on Monday!

Mr Woodward, Miss McNeely, Miss Parker and Mr Veness.

Residential Timetable

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.20	REGISTRATION	REGISTRATION	REGISTRATION	REGISTRATION	REGISTRATION
8.40	<i>Pick from the residential activity section</i>			Bake Off!	Scavenger Hunt
9.10					
9.40	Free choice activity	Mr. Woodward and Miss Parker's Quiz!	Year 5 OA/Year 6 Free choice activity		Free choice activity
10.10					
10.40	BREAK	BREAK	BREAK	BREAK	BREAK
11.00	Arts and Crafts activity	Year 6 OA/ Year 5 arts and crafts	Arts and crafts activity		
11.30					
12 - 1.30	Lunch				
1.30-2.30	PE or Pick from the list of P.E activities				Sack Olympics
2.30	Free choice activity				
3.00	Assembly (3:20)	Free choice activity		Assembly	
3.30		End of the day catch up	End of the day catch up		End of the day catch up

Residential Activities Grid - Years 5 and 6

Must Do everyday	Residential Activities	Art/Craft/Skills	PE Activities
Make my own bed	Strip my bed and put fresh bed sheets on it. (Ask permission first) Challenge: Video yourself doing it as a comedy instructional video and upload	Build the tallest possible tower you can out of lego/duplo/anything you can stack - can you reach the ceiling?	Create and video your own Joe Wicks workout with you as the instructor.
Make my own breakfast. (Check with your parents what your choices are)	Build a tent or den (indoors or outdoors) and spend the night in it	Choose a Lego Challenge from Mrs Davey- see next slides	Create a dance or gym routine to a song of your choice.
Write a diary entry in the morning and evening- what will you do today? How was your day?	Create and make a meal either lunch or dinner for your family with help.	Design and draw your dream garden/bedroom OR Look out of the window and draw what you can see. Challenge: Draw the same image at a different time of day. What changes?	Create an obstacle course around your bedroom/house or garden.
Be present for each check in- see timetable.	Create a zipline for your teddy across your bedroom with string.	Design and create a card for someone or a surprise folded creature https://craftwhack.com/surprise-ferocious-beings-paper-project/	Make a sensory trail for someone in your house to follow.
	Do a helpful chore around the house Examples: Hoover, clean the car, gardening, washing up, dusting, put the washing on and hang it up	Create a piece of 'recycle' art using any clean rubbish from your household	Create a treasure hunt in your garden- design the clues for people to follow.
	Create a fancy-dress outfit based on a book, game, or film character	Write and film a puppet show based on a famous book for your friends and family to guess.	Learn a new skill- Fencing- watch the video to learn some new skills!
	Create a set of quiz questions (15 questions) on your favourite topic to test your family or friends.	Create something to help the wildlife in your garden: a bug hotel, bird feeder... Keep track of what comes to visit.	Sock Olympics!

Lego Challenge: Amazing Mazes

Your Challenge!

Create a maze that a marble can run through including turns, tunnels, and dead ends to make the maze difficult to navigate. Try and make it as imaginative as possible, and don't forget about making the design look exciting

Engineering Goals:

- Emphasize the need for the maze to have a defined starting point and ending point. Make sure that you make a plan before they build, just like an engineer would!
- This about a theme you can use for your maze that will give it the WOW factor

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Is something confusing me?

Could I explain this to someone else?

Where can I look for help?

How can I do it better?



Planning during this challenge

1. Take a piece of graph paper
2. Draw the overall shape you would like your maze to be: round, square, a shape of a picture etc. on the graph paper
3. Leave one block open on both sides of the shape, to "BEGIN" and "END" (use an eraser to clear two blocks if need be)
4. Now start from the "Begin" block and draw the correct route to the "end" block, with a double line, making a few twist and turns through your shape to make it difficult. Don't press too hard, you may want to erase some lines later to create a challenge and you do not want to leave the traces behind.
5. Create a few other possible routes to choose from (fake routes) stemming from the beginning of the existing path, by erasing the lines of some blocks and making other paths that lead to dead ends near the "end" block.
6. Continue to create more fake routes out of the initial fake routes, erasing lines as necessary and adding additional dead-end paths as necessary.
7. Continue doing this until most of the graph paper have some form of path or lines on, adding individual straight lines where necessary.

Lego Challenge: Engineering Escapes

Your Challenge!

A LEGO person gets stuck at the bottom of a Canyon (a trashcan). Can you devise a solution using LEGOs to get the LEGO man out of the "trash canyon"?



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Reflection Questions

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Engineering Goals:

- Learning to design a product to solve a problem that a specific client has
- Learning that there is no one "correct" solutions, but rather infinite ways to successfully solve the problem.

Things to consider

A crane is a type of machine, generally equipped with a hoist rope, wire ropes or chains, and sheaves, that can be used both to lift and lower materials and to move them horizontally. It is mainly used for lifting heavy things and transporting them to other places.

An elevator or lift is a vertical transport vehicle that efficiently moves people or goods between floors of a building. They are generally powered by electric motors that either drive traction cables and counterweight systems, or pump hydraulic fluid to raise a cylindrical piston.

A stairway, staircase, stairwell, flight of stairs, or simply stairs, is a construction designed to bridge a large vertical distance by dividing it into smaller vertical distances, called steps. Stairs may be straight, round, or may consist of two or more straight pieces connected at angles.

Ladders: a piece of equipment consisting of a series of bars or steps between two upright lengths of wood, metal, or rope, used for climbing up or down something.

Lego Challenge: Boat Building

Your Challenge!

This challenge is to construct unsinkable ships. Fill a tub of water, and ask students to create ships that must endure the "ocean" waves and lots of heavy cargo. The students should be given multiple trials to see if their ship kept the passengers in, and water out.

Engineering Goals:

- Learn about buoyancy and how to design objects that will float
- Have various weights to add to your boat. Start with the lighter weights, and see how much can be added to each design.

Reflection Questions

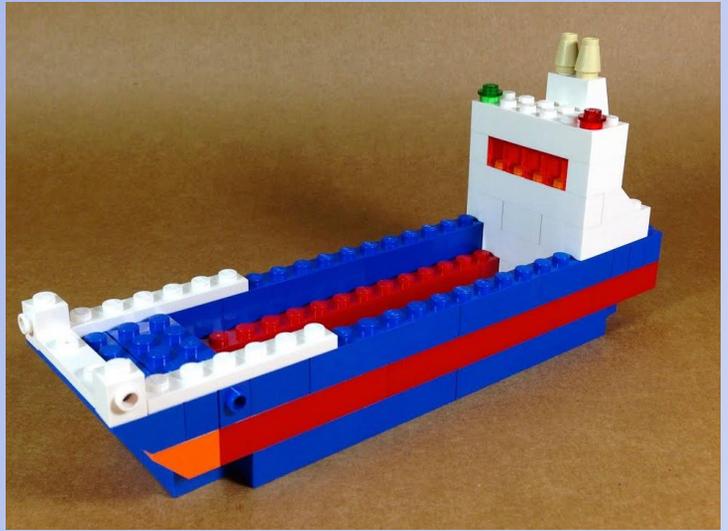
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Types of boat

Fishing boats in different sizes are used on both salt and freshwater bodies. The immediate qualities of these boats include stability, strength, and durability to survive the fishing ventures across various kinds of waterways.

A dinghy can be a small inflatable boat usually made of rubber and comprises of cross thwarts and rowlocks that act as seats and oars, respectively

Deck Boats come with an open deck area that provides plenty of seating arrangements for a small group of people

Catamaran is a multi-hulled watercraft that features two parallel hulls of equal size. Compared to vessels with a single hull, Catamaran Boats features less hull volume, shallower draft and higher displacement.

Pontoon boats are flattish in shape and that relies on tubes (pontoons) to float on the water.

Lego Challenge: Ultimate Playground

Your Challenge!

Modern playgrounds often have recreational equipment such as the seesaw, merry-go-round, swingset, slide, jungle gym, chin-up bars, sandbox, spring rider, trapeze rings, playhouses, and mazes, many of which help children develop physical coordination, strength, and flexibility, as well as providing recreation. Design the ultimate playground using simple machines!



A playground, playpark, or play area is a place specifically designed to enable children to play there. It is typically outdoors. While a playground is usually designed for children, some target other age groups or people with disabilities.

Engineering Goals:

- Learn about the different simple machines:
- Apply this knowledge to design awesome playgrounds

Examples of things in a playground

A seesaw is a long, narrow board supported by a single pivot point, most commonly located at the midpoint between both ends; as one end goes up, the other goes down. These are most commonly found at parks and school playgrounds.

A playground roundabout is a flat disk, frequently, with bars on it that act as both hand-holds and something to lean against while riding. The disk can be made to spin by pushing or pulling on its handle

On playgrounds, several swings are often suspended from the same metal or wooden frame, known as a swing set, allowing more than one child to play at a time.

Playground slides are found in parks, schools, playgrounds and backyards. The slide is an example of the simple machine known as the inclined plane, which makes moving objects up and down easier

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