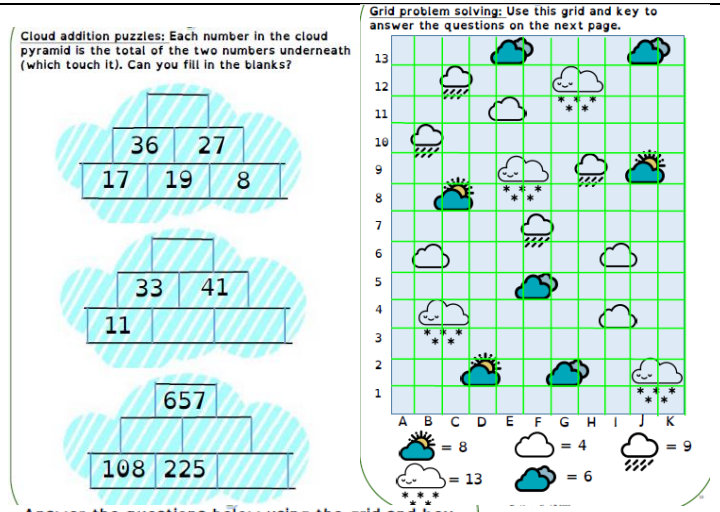
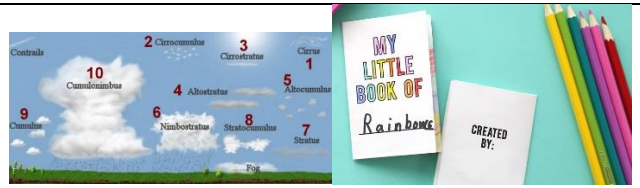
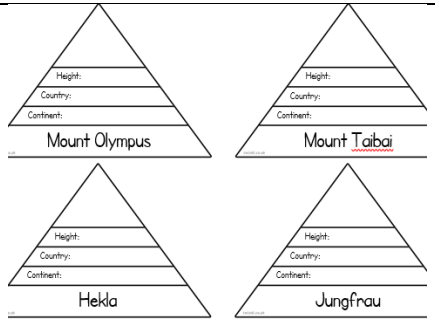
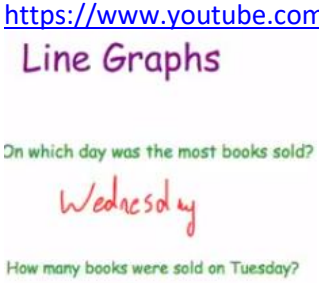
Year _5_ Nova Home Learning PACK Term 6 week 3 &4			
Day	**Writing Tasks** Please remember to practise your spellings and handwriting! Login to https://www.edshed.com/en-gb to access weekly spelling lists. MUSIC: **go to https://www.singup.org/singupathome/ for free sign up to some fab activities!** **Wellbeing activities:** https://www.cosmickids.com/ **https://www.gonoodle.com/** **Art:** **https://www.tate.org.uk/kids**	**Maths Tasks** Please play Time Table Rockstars to practise your fluency! **https://ttrockstars.com/ - weekly Twitter recognition to each class** **Maths challenges!** https://www.mathsisfun.com/games/ **Remember you can email Miss Cuthbert and Mrs Leonard through the home learning email account if you have any questions.**	**Line of Enquiry Tasks:** What makes planet Earth unique? **Please use** https://www.natgeokids.com/uk/ or **https://www.kiddle.co/ to search safely.** **National Curriculum coverage: Human & Physical; Geographical Skills describe the parts of a river, explain key aspects of mountains, describe the water cycle; use 6 figure grid references, symbols and keys**
	ANIMATION WEEK!		
1	LO: to write a diary of events (1st person) Go to the animation: A Cloudy Lesson https://www.youtube.com/watch?v=gzfX5dmIYPI Use these questions to get your thnking started: Was this your first attempt at blowing clouds? Who is the man and why is he training you? How were you feeling before your training? What was it like trying to blow your first cloud? What did the man say to you when you bent the wand? Were you expecting what happened next? How will you remember this day? Here is a helpful wordbank:	Starter: https://mathsframe.co.uk/en/resources/resource/557/Snowboard-Slalom LO: to solve reasoning and calculation problems ZOOM IN TO VIEW	D & T/PSHE/outdoor learning   **LO: to join materials. Design and make a Dream Catcher** **Equipment:** Sticks Wool Twine Decoration *Native Americans believe that the night air is filled with dreams both good and bad. The dream catcher when hung over or near your bed swinging freely in the air, catches the dreams as they flow by. The good dreams know how to pass through the dream catcher, slipping*

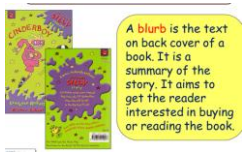
	Word bank for diary writing **Man:** bearded, skilled, compassionate, patient, caring, able, thoughtful, kind, expert, encouraging. **Clouds:** drifted, flexible, endless, coasted, buoyant, delicate, meandered, floated, hovered, varied, cottony. *Don't forget to include some of the emotions vocabulary from the 'Keep Your Eyes Open' page. Write a diary in role as the boy or the father. SC for a diary: First person Past tense for what has happened and present tense (maybe some future tense) for how you feel now Detail and description Fronted adverbials of time and place (Later that morning, Before long,…As I picked up the …	 **Cloud addition puzzles:** Each number in the cloud pyramid is the total of the two numbers underneath (which touch it). Can you fill in the blanks? 36 27 17 19 8 33 41 11 657 108 225 **Grid problem solving:** Use this grid and key to answer the questions on the next page. = 8 = 4 = 9 = 13 = 6 **Answer the questions below using the grid and key on the previous page.** *(Please note that any square on the grid which a cloud is touching is worth the value of that cloud.)* 1) E13 + I4 = 2) F7 x C8 = 3) D2 + B6 = 4) B4 x H9 = 5) G2 + J9 + K2 = 6) Add the total of all clouds in column J to the total of all clouds in column E. Answer = **Answer the following questions with a grid reference:** 7) J13 + E9 = G2 + I4 + 8) C4 – C12 = The values of the clouds below have changed. Can you work out what each is worth?  = 14 = 19 = 30 **CHALLENGE: make up three more number pyramids to challenge an adult, brother or sister.**	*through the outer holes and sliding down the soft feathers so gently that the sleeper does not know that they are dreaming. The bad dreams not knowing the way get tangled in the dream catcher and vanish with the first light of the new day.* • collect sticks and any other natural materials you require • place three sticks into a triangular formation and use twine to wrap and secure them into place. Use string to create the webbing by wrapping the wool around the catcher in different directions, keeping it taught at all times until the web has been created. The loose end can be secured at any point on the hoop using a reef knot. Use twine to hang further pieces from the bottom and add decoration **Send pictures into the home learning email address if you can.**
2	LO: to use personification in poetry Start by watching these clips to remind yourself what personification is:	**Starter:** https://www.topmarks.co.uk/number-facts/number-fact-families	I can use a map to find countries and their key features. KEY WORDS: Mountain, range, height, peak.

	https://www.bbc.co.uk/bitesize/topics/zs4qn39/articles/zfn2mfr https://www.bbc.co.uk/bitesize/topics/zfkk7ty/articles/zw9p8mn Now have a look at how we can use personification to give 'The Clouds' human qualities: I drift above a busy world, And watch the frantic lights of ant-sized cars Carve the darkness into jagged shapes. I hover over noisy streets, And hear Now, write three more verses of your own. The second verse has been started for you!	**LO: to add three numbers using a formal, written calculation** Go the Y5 maths folder. There are 2 levels **and** answers so that you can check your successes and areas for further practice. maths Term 6 week 3 day 2 easier maths term 6 week 3 day 2 harder 56937 41427 + 448720	Go to the MOUNTAIN RANGES PPT. Look at the map of the world's physical features. What do you think a 'legend' is in geography?  Why do you think different places are shaded in different colours? This shows us the height of each area above sea level – the more orange/brown an area is, the higher it is above sea level. Go to Google maps and try to locate some of the 'high areas'. What do you notice? TASK: Make a list of the countries that have very high areas and explain how the legend works.
3	LO: to research and write a mini-booklet report or fact file about how clouds are formed. SC: Title Subheadings Technical words (you could make a glossary too) Clear facts Fun fact boxes Diagrams	**Starter:** https://www.topmarks.co.uk/maths-games/daily10 **LO: to subtract numbers using a formal, written calculation** 6314 - 42_2 2_9_	I can locate key mountain ranges of the world. A mountain is a part of the landscape with steep slopes that rise over 300m. Some mountains are isolated summits, but most are found in mountain ranges. Go to: https://www.google.com/maps/d/viewer?mid=11yi4ua9sOlGtytpKYP-CMO_kdWw&hl=en_US&ll=33.4376481808715%2C85.21502492499997&z=4

	 Some starting points for you: https://www.ducksters.com/science/earth_science/clouds.php Video: https://www.sciencekids.co.nz/videos/weather/clouds.html The basic science: A **cloud** is made up of liquid water droplets. A **cloud** forms when air is heated by the sun. As it rises, it slowly cools it reaches the saturation point and water condenses, forming a **cloud**. As long as the **cloud** and the air that its made of is warmer than the outside air around it, it floats!	Go the Y5 maths folder. There are 2 levels **and** answers so that you can check your successes and areas for further practice. maths term 6 week 3 day 3 easier maths term 6 week 3 day 3 harder	Using Google maps or your own research, locate the highest mountain, and mountain ranges in the world. Note which continent and country they are in. Use the slides on the PPT to describe what a mountain is. Just a short paragraph. 
4	LO: to plan a short story based on 'Catch A Lot'.  Watch the clip 'Catch A Lot' at least twice: https://www.youtube.com/watch?v=8qIz599TEZA Make some notes to answer these questions. The answers will help you to write the story tomorrow: What can we tell about these characters from what they are doing, what they are wearing and their tools? What do you think it smells like? How is the son feeling? What actions can you describe to show this? How has the director used the weather to reflect the Mood of the film at different points?	Starter: https://www.topmarks.co.uk/times-tables/coconut-multiples LO: to interpret pictograms First go to: https://www.bbc.co.uk/programmes/p017ksvf Review your understanding of basic pictograms. Go the Y5 maths folder. There are 2 levels **and** answers so that you can check your successes and areas for further practice.	I can locate key mountain ranges of the world. To use maps, atlases, globes and digital/ computer mapping to locate countries and describe features studied in the context of mountain ranges. Go to the Mountain Fact Cards. Use your research skills to find out quick facts about some of the mountains on the cards. Present your facts any way you like. For example, like the sheet or as a booklet or PPT.

	We know the father has spotted a whale, how does the director show us that a whale has been found? Why is the father becoming more frustrated? What do you think he would say to his son if he spoke at that point? What do you think the son is thinking? Does he want to be a whaler? What might he prefer to be? How does the director built tension when we first see the whale by the boat? Does the final image of father change the way his son thinks about him? What happened next? Your task: **Plan a short story** about what happened in the film. You will have to make up your own ending! You can be the narrator telling the story, or you can write as the boy or his father. You choose. **You *could* plot it out on a storyboard. Divide an A4 into 8 sections.**	 maths term 6 week 3 day 4 easier maths term 6 week 3 day 4 harder	 Challenge: Create bar graphs of the peaks in different mountain ranges. Which is the tallest/smallest? How many are taller than 5000m?
5	LO: To retell the story of 'Catch a Lot'. Today, you will write the story that you planned yesterday. 1. Look at yesterday's notes and plans 2. Look at the wordbank 3. Watch the animation again if you need to 4. Read the text below to give you some ideas of how to make it EXCITING. 5. Make sure you GRAB THE READER! Look how I've created tension using different sentence lengths and powerful vocabulary: From out of the gathering mists, something moved. An eye. It was definitely an eye. The thick, grey sky slowly began to envelop the small boat, and the unusually calm water chewed at its hull. In sheer panic, the bird launched himself at the larger man and sent him tumbling backwards into the nothingness, over the side of the boat. The boat creaked and groaned. The smaller man fumbled for his lantern and peered over the side of the boat.	LO: to interpret single line graphs Review your understanding of how line graphs work here: https://www.youtube.com/watch?v=0WkqfJBfXic  Go the Y5 maths folder. There are 2 levels **and** answers so that you can check your successes and areas for further practice. maths term 6 week 3 day 5 easier maths term 6 week 3 day 5 harder	I can locate key mountain ranges of the world. Zoom in on the table below. Cop it out neatly using a ruler and pencil. Research the mountain ranges and mountain mentioned and record the heights. Add more rows if you like. **4. Fill in the table below using a map to get the information.** | Mountain Area	Continent	Mountain Name	Height
Andes Mountain		Anconcagua	
	North America		4399
		Mt. Everest	
Pyrenees		Pic De Aneto	
Alps			4807
Great Dividing Range	Australasia		2209
		Mt. Elbrus	
Ethiopian Highlands			4307

	His father appeared and flung himself, in a panic, over the side of the stricken vessel. Boom. Above them, thunder rumbled as a stark warning that things were about to worsen. The menacing sky grew instantly colder and, almost immediately, the waves began to push and pull the boat in a game of tug of war. WORDBANK Below is a list of words that might help you. darkening / violent / angry / inky black / threatening / menacing / pitiless powerful / forceful / rumble / waves stricken / clouds / leaden / bleak wind / gale / thunder / grey tempestuous / turbulent / crashed / rolled		Now use your research and facts to create a quiz about mountains. Or, you might prefer to make a report for a kid's fact book – illustrate it and use technical vocabulary.
6	LO: to write a 'message in a bottle'.  Imagine you are one of the characters from the clip. After the whale tries to eat you, you find yourself washed up on a strange island. Write a message to put into a bottle to explain how you got there. Explain how you are surviving now and what your new life is like. How do you eat? How have you made shelter? Your hopes and fears?	LO: to interpret double line graphs Go the Y5 maths folder. There are 2 levels **and** answers so that you can check your successes and areas for further practice. maths term 6 week 4 day 1 easier maths term 6 week 4 day 1 harder	• **LO: to join materials. Design and make a kite.** • **You will need to collect some materials. Blaise Castle grounds will have lots of sticks.**  **<u>Materials you may need:</u>**

			• Thin sticks of various lengths, String, Masking Tap Newspapers Strips of fabric to act as a tail Natural materials to decorate **What to do:** • the kite should be about 50 cm tall and 20cms wide, it should have a covering, such as newspaper, to provide the lift surface (aerofoil), • collect natural materials for the kite, (adult to provide further equipment for joining if possible). • experiment with how best to make the kite strong • Decorate it • Flying competition! • You win if it looks fantastic even if it doesn't fly! • Have fun
7	LO: to design the front cover and blurb for a book inspired by 'Catch A Lot'. Imagine that the clip you watched was part of a story book. Create a front cover for the book and write a short blurb for the back of the book. First watch this video clip by a book cover illustrator: https://www.youtube.com/watch?v=2S-iV_Xb768  	**Starter:** https://phet.colorado.edu/sims/html/fraction-matcher/latest/fraction-matcher_en.html **LO: to solve reasoning problems** **Go to the Y5 maths folder and find the following document. Read it several times and make jotting to help you solve it.** maths term 6 week 4 day 2 reasoning pro...	I can locate key mountain ranges of the world.I can locate key areas of higher ground in the UK. Key/New Words: Contour, altitude, peaks, slopes. GO to the UK Mountains PPT Make some note about these questions: What do you notice about the map of the UK? Where are the highest areas of land? Which countries of the UK are these located in? Where do you think the UK's highest peak might be located?

			Now do some online research. Eg. https://www.google.com/maps/search/uk+mountains+google+maps/@54.3975679,-8.57011,6z/data=!3m1!4b1 Go to the 'Locating UK Mountains Activity Sheet'  Make some notes about each mountain and make a chart like the one on the sheet. Make it neat to add to you presentation pack.
8	LO: Reading: to answer vocabulary and retrieval questions. First read the text about blue whales. Then answer the questions. ZOOM IN	Starter: https://mathsframe.co.uk/en/resources/resource/556/Maths%20Penalty%20Shoot-out LO: Recognise the percent symbol (%) and understand that per cent relates to 'number of parts per hundred' Watch the clips to review your learning on percentages from Y4: https://www.bbc.co.uk/bitesize/topics/znjqtfr Then go to the Y5 maths folder and have a go at the tasks:	I can tell you what a hill might look like based on its contours. I can draw contour lines to show higher ground. READ THIS: What ways have you already used to find the height of land on a map? (in week one, we used a gradient of colour and saw maps showing specific peak heights in metres.) On more

Blue whales are the largest mammals to have ever lived. They can grow to over 30m long and weigh more than 130,000kg. Their tongues can weigh as much as an elephant and the average blue whale's heart weighs the same as a car.

Fascinating Fact!
Though we can't hear them, blue whales are one of the loudest animals on the planet!

Blue whale calves (babies) measure around 8m long and weigh 3,000kg when they are born. The calf feeds in the water, drinking more than 600 litres of its mother's milk each day and growing by about 90kg every day for the first year of its life.

Despite their size, blue whales eat creatures (krill) which are a bit like tiny shrimp. Because of their huge size, the average blue whale eats up to 40 million krill each day! They mainly catch their food by diving, and descend to depths of approximately 500 m. Though they are usually found in deep water when hunting, the blue whale must come to the surface of the sea to breathe. When it surfaces, it exhales air out of a blowhole in a cloud of vapour which rises out of the water for up to 9m!

Whilst being the heaviest creature in the sea, blue whales are also incredibly graceful swimmers and swim at speeds of over 8kmph. They can reach speeds of over 32kmph!

QUESTIONS:
Which word means the same as go down to?
Which word means the opposite of clumsy?
Which word means the same as breathes out?
Which word means the opposite of shallow?

TRUE OR FALSE?:

- Blue whales can weigh more than 130,000kg.
- Blue whale calves grow 600kg per day.
- A blowhole is used to inhale air.
- The average blue whale eats 400 million krill per day.
- We can easily hear blue whales.

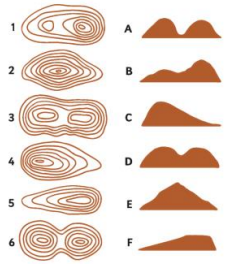
maths term 6 week 4 day 3

detailed maps, contour lines are used to link areas of ground which are the same height above sea level. Usually, these are shown in 5 or 10m intervals depending on the level of detail the map shows. **The closer the lines are together, the steeper the slope will be. The more spaced apart they are, the more gentle the slope.**

Read slides 6-8 again then try slide 9.

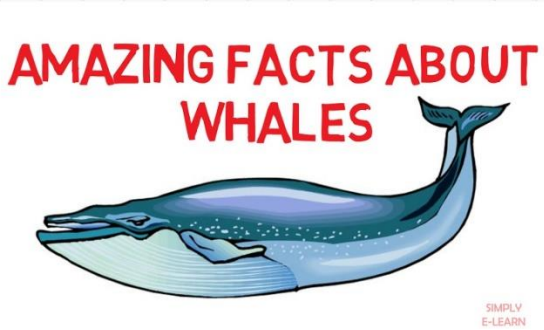
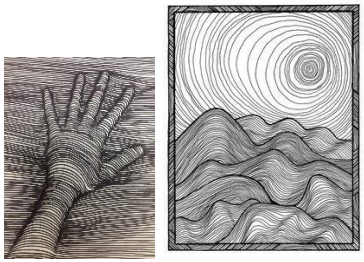
Which contour set matches which hill? Look closely at how many peaks are shown and how close together or spaced apart the contour lines are.

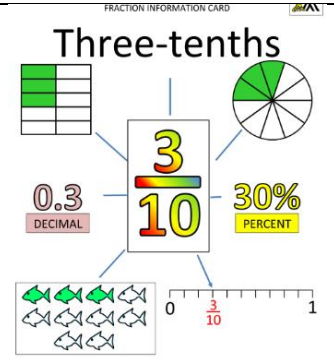
Make some notes and sketches to show your understanding and to add to your presentation.



You can use layers of cardboard to make your own countour map. Have a go and make a 'legend' to show heights of your mountain range.

Ideas here:
https://www.3dgeography.co.uk/making-3d-maps

9	LO: to research and make a presentation about whales.  Do this task over two days. You can present your information anyway you like – a poster, a PPT, a documentary style film with you as presenter or a booklet. You choose! 1. Do your research 2. Make notes 3. Present your info in writing, a report, poster or film, a PPT or Prezzi show Watch these links to get started (Warning! He talks very fast so you will have to press pause to make some notes!): https://www.youtube.com/watch?v=Ozi7lcyatt0 https://www.natgeokids.com/uk/discover/animals/sea-life/10-blue-whale-facts/	Starter: https://mathsframe.co.uk/en/resources/resource/546/Match-the-Maths-Wall LO: to convert between fractions, decimals and percentages Watch the clips: https://www.bbc.co.uk/bitesize/clips/zymckqt Today you will explore the links between fraction, decimals and percentages. Go to the Y5 maths folder and have a go at the tasks:  term 6 week 4 day 4 Equivalent FDP	LO: to experiment with line drawings  Contour lines aren't just used in Geography. Artists use them to add depth and a three dimensional effect to their drawings. Even a simple outline of a hand and wrist can be given a 3D effect using contours. Search for 'contour line art' for inspiration for creating your own contour line drawings. Eg. https://www.youtube.com/watch?v=M9QPHXHpfrw **Please send your artwork to homelearning@novaprimaryschool.co.uk** **and I'll put it on Twitter.**
10		Starter: https://mathsframe.co.uk/en/resources/resource/557/Snowboard-Slalom LO: to convert between fractions, decimals and percentages	To create a fact booklet about my learning on mountain ranges around the world. Now look back on your learning over on mountains over the last two weeks. Make a

		 <u>Play the 'percentage claw game' then go to th eY5 maths folder:</u> maths term 6 week 4 day 5 percent_com... Then make up some fraction, percentage and decimal cards. Lay them face down and challenge someone to match them up.	PPT or written presentation to share with someone in your family. You choose how to present t but make sure it is clearly set out, has eye catching diagrams or pictures and lots of fab facts.