

Monday	Tuesday	Wednesday	Thursday	Friday
Design your own game or sport using household materials. Play with your siblings.	Make a piece of artwork using reflection and rotation symmetry. 	Create your own fantasy world and use it to create a story. See below for instructions. Step 1: Draw a Map Is your world one big continent or lots of different islands? Where are the oceans, rivers, mountains, forests, deserts and other geographical features? Research how these different features are created and how they work (for examples, rivers start in elevated areas and work their way down to the ocean). What is the weather like in different parts of your map? What natural resources are there (gold, stone, farmland, iron, wood, animals etc.)? Can you find real places from around the world that would look like or inspire parts of your map? 	Take three dice. See how many different number sentences you could create from those three dice using the four operations. For example, you could have $6 \times 4 + 3$, or $8 \div 2 + 2$, or $1 + 5 - 3$	Play a family game like Monopoly that uses critical thinking and math skills.
Design your dream house plan. Include all the rooms you would love to have, and make sure it includes your dream backyard as well. Calculate the length and width of your rooms and work out the area for each room, and the whole house.	Get a bag of M&Ms. Predict the % of red, blue, green, and brown. Open and record actual numbers. What is the probability you will get a green from the bag?	Use materials to protect a water balloon from popping or egg smashing. Go outside and test by throwing against a wall or tree.	The tongue map theory states that different areas of your tongue sense different tastes. Look-up this theory. Create an experiment to prove or disprove it.	Use items you would throw away or recycle and make something useful. Name your product, set a price, and create a slogan.
Measure your heart beat for 10 seconds. Convert to beats per minute. Go out and run around and then measure again. What is the percentage increase? 	Create a complex marble run, using different materials from around the house. See how long you can make it, and how far around the house you can make it run continuously. Have a race with different marbles!	Step 2: Populate Your Map Is it one kingdom/country, or are there lots of different ones? What are their names? Where are the cities/towns/castles/villages? What are their names? Step 3: Characters Does each city/castle belong to a particular family or group of people? What are their names? What are they known for? Who are the Kings/Queens, or do they have a different government system? Step 4: Relationships Which groups of people get along? Which are enemies? Step 5: Details What is the history of your world? Does magic exist? Is your map set in the present, or in another time? What technology do they have? Are there mythical/fantasy creatures?	Set up a basket somewhere in the room and have a basketball shooting challenge with rolled up socks. Record each attempt and whether you made it or missed. Work out your success percentage, and then try it from different spots around the room. Does your percentage change in each place? 	
Write and illustrate a picture book to share with your buddy when you come back to school	Build towers as tall as possible using different types of material. What materials work best? Which are strongest? What are different ways of stacking materials to get a tall tower? Sugar cubes are a fun material to try if you have any, otherwise get creative! Take a picture of your completed towers.	Grab playing cards and play Top It. Each player turns over two cards and multiplies to get a product. The player with the largest product wins all the cards. Continue until all the cards are gone. 	Write a story Can you write a story about your own fantasy world a character in your world and how they live in it? Is there a war? Is there an evil villain? Is there a treasure to find, or a monster to escape? Is there a person to rescue, or a land to discover? A fight to win, or a place to protect? Think of a story and write it! It's your world, so anything goes!	

This term we have been focusing on the following skills which students can continue to build knowledge and/or practise whilst away from school:

Maths

Number

- Place Value – writing and reading large numbers and identifying specific place value within a large number
- Four Operations – addition and subtraction of large numbers. Multiplication up to 3x3 digit and division (with and without a remainder).
- Factors and Multiples – consolidating what they are how they are used
- Prime/composite/square/triangular numbers – what they are, how they can be identified, how they are used etc.
- Negative integers – What they are, how they are used in real life and how to use them in four operations (including rules used when encountering problems such as $4 + (-3)$, $7 - (-4)$, or -3×6)
- Order of operations (BIMDAS) using all parts and incorporating negative integers
- Algebra - Finding a missing number in a number sentence, finding rules and balancing the equation
- Strategies to solve worded problems involving the above concepts

Statistics

- Finding the mean, median, mode and range of a given data set, what they are, why they are useful, and how they are used etc.
- Reading different types of data displays and understanding the different purposes and uses of each (tables, bar graphs, line graphs, scatter plots, etc.)
- Using graphs to identify trends and patterns, make judgments, and give predictions on future events
- Selecting and creating different types of graphs to display data
- How to collect data to aid investigations, and considerations that must be made when collecting data

English

Analysing stories – looking at the classic hero, kid hero and villain. Analysing characters in stories to see if they fit. Seeing how many stories follow a very similar plotline.

Narrative Writing

Consolidating Basic Grammar and punctuation. Have been looking at commas and hyphens over the last couple of weeks.

Online programs you can access at home

Inquisitive

Our class url is: <http://inq.co/class/dcr>

Our class passcode is: 7759

Epic! – free remote student access available through teacher – library of digital books – <https://www.getepic.com/>

Pobble 365 – story starters using visuals and writing activities - <http://www.pobble365.com/>

Scratch – programing your own interactive stories, games and animations - <https://scratch.mit.edu/>

Book Creator – free basic - <https://bookcreator.com/>

Scholastic Learning at Home – <https://classroommagazines.scholastic.com/support/learnathome.html>

Khan Academy – free – mainly Maths personalised courses. Daily schedules for students ages 4-18 to keep them learning - <https://www.khanacademy.org/>

Mystery Science – lessons and mini lessons - <https://mysteryscience.com/>

Code.Org – free computer science projects - <https://code.org/>