

Pickmere Class Home Learning - Summer Term 2

<p>Maths</p> <p>Create your own murder mystery game using multiplication or fractions. I have attached an example murder mystery game to help you.</p> <p>Think about how you could present this; you will need:</p> <ul style="list-style-type: none"> - Clues - Answers <p>You could create this as a board game too!</p> <p><u>Minimum requirement:</u> Murder mystery sheet using multiplication strategies to solve the questions.</p>	<p>Literacy</p> <p>I would like you to write a short story inspired by your favourite book. You could even include yourself as a character.</p> <p>Think about how you are going to present this.</p> <ul style="list-style-type: none"> - Typed up story with pictures of you acting out the scenes, handwritten copy with illustrations, PowerPoint story with pictures, comic strips with writing. <p>Remember to include a title!</p> <p><u>Minimum requirement:</u> A handwritten copy of your short story.</p>	<p>Science</p> <p>Carry out your own science experiment at home. Think about our science fair to help you.</p> <p>Approach your experiment scientifically:</p> <ol style="list-style-type: none"> 1. Ask questions and form a hypothesis 2. Create an experiment to test the hypothesis 3. Organize data and draw conclusion 4. Write about your scientific research <p><u>Minimum requirement:</u> pictures of you carrying out your experiment with annotations.</p>
<p>RE</p> <p>Places of worship</p> <p>Based on religions around the world, I would like you to compare different places of worship (churches, mosques etc).</p> <p>How are they similar? How are they different?</p> <p>Think about how you will present this.</p> <ul style="list-style-type: none"> - PowerPoint, drawings with labels, information pages, models, <p><u>Minimum requirement:</u> drawings with labels</p>	<p>Topic</p> <p>Choose one of the world's rivers and research some facts about it.</p> <p>Are there different parts to a river? Do they have names and what do they look like?</p> <p>You can present your research in any way that you choose.</p> <ul style="list-style-type: none"> - PowerPoint, poster, fact cards, leaflet, model <p><u>Minimum requirement:</u> Information page</p>	<p>Personal development</p> <p>Help somebody out! Random Acts of Kindness.</p> <p>I would like you to think about how you can help somebody in some way. This may be around the home/garden with your family, it may be a grandparent or even someone in the community.</p> <p>Think about how you will present this homework.</p> <p><u>Minimum requirement:</u> Evidence of you doing it / a written explanation of how you helped.</p>
<p>Weekly Expectations</p> <p>Over the course of each week, we expect you to be keeping up to date with all of the things that we are learning in school. We would like you to spend some time looking at:</p> <ul style="list-style-type: none"> • Year 5 weekly spellings • Time Table Rockstars practise • My Maths homework • Purple Mash 		

Maths

WONDERLAND MURDER MYSTERY

A terrible crime has been committed in Wonderland. One of the Court Soldiers has been murdered. The police have identified 8 'evil', mythical, 71 suspects. Use your mathematical knowledge to find the person responsible and establish when, where and why it happened.

Hint! All the suspects were tested on their knowledge of multiples. Check their answers carefully as only the murderer could make a mistake.

 Card Soldier 27, 12, 24, 9 are all multiples of 3	 Red Knight 63, 49, 28, 14 are all multiples of 7	 Black Queen 60, 15, 30, 5 are all multiples of 5
 White Rabbit 27, 12, 24, 8 are all multiples of 4	 White Rabbit 60, 30, 6, 48 are all multiples of 6	 Alice 24, 40, 48, 72 are all multiples of 8

Hint! Solve these calculations to work out the date and time of the murder.

Year	$504 \times 4 =$
Day	The remainder that you get when you divide 63 by 8.
Month	$3.54 + 2.46 =$ Hour: 20% of 60 Minutes: $3 + 17$

Clue 1

Your SOCCs have searched the breakfast room and the canteen.

One of your SOCCs has found the catch that the rings were wrapped in. The location of this evidence gives you a clue to the gender of the thief.

The clue is written in improper fractions and to solve it, you need to find the letter with the matching whole or mixed number.

A	B	C	D	E	F	G	H	I	J	K	L	M
$1 \frac{2}{3}$	$1 \frac{1}{3}$	$1 \frac{2}{3}$	$1 \frac{1}{3}$	$1 \frac{2}{3}$	$1 \frac{1}{3}$	$1 \frac{2}{3}$	$1 \frac{1}{3}$	$1 \frac{2}{3}$	$1 \frac{1}{3}$	$1 \frac{2}{3}$	$1 \frac{1}{3}$	$1 \frac{2}{3}$
$1 \frac{2}{3}$	$1 \frac{1}{3}$	$1 \frac{2}{3}$	$1 \frac{1}{3}$	$1 \frac{2}{3}$	$1 \frac{1}{3}$	$1 \frac{2}{3}$	$1 \frac{1}{3}$	$1 \frac{2}{3}$	$1 \frac{1}{3}$	$1 \frac{2}{3}$	$1 \frac{1}{3}$	$1 \frac{2}{3}$
$1 \frac{2}{3}$	$1 \frac{1}{3}$	$1 \frac{2}{3}$	$1 \frac{1}{3}$	$1 \frac{2}{3}$	$1 \frac{1}{3}$	$1 \frac{2}{3}$	$1 \frac{1}{3}$	$1 \frac{2}{3}$	$1 \frac{1}{3}$	$1 \frac{2}{3}$	$1 \frac{1}{3}$	$1 \frac{2}{3}$
$1 \frac{2}{3}$	$1 \frac{1}{3}$	$1 \frac{2}{3}$	$1 \frac{1}{3}$	$1 \frac{2}{3}$	$1 \frac{1}{3}$	$1 \frac{2}{3}$	$1 \frac{1}{3}$	$1 \frac{2}{3}$	$1 \frac{1}{3}$	$1 \frac{2}{3}$	$1 \frac{1}{3}$	$1 \frac{2}{3}$

Clue 1:

Clue 4

When the fingerprint was analysed at the lab, a hair belonging to the culprit was found.

Solve this clue to identify the culprit's hair colour. Multiply these decimals to find a message using the code A=1, B=2, C=3 etc.

Calculation	Answer	Letter
0.2×100		
0.5×16		
2.5×2		
0.25×32		
0.2×5		
1.8×5		
1.5×12		
0.75×12		
4.75×4		
1.4×5		
0.25×36		
0.14×100		
1.75×4		
0.2×25		
4.5×4		

Clue 4:

Zero in on the Murderer!

Murder Mystery: Clue 1



Once you have worked out the clue, use the column in the table of suspects to cross out and eliminate suspects. After you have worked through all the clues, you will have one final suspect. This suspect is the murderer!

Fill in the missing number which is either 10, 100 or 1000 in each case. When you have filled in all of the missing numbers, count the number of 0s you have added in and match it up to the appropriate clue from the table. Eliminate from your inquiry any people in the cinema who have either of those letters in their names.

- $\text{---} \times 40 = 400$
- $100 \times 10 = \text{---}$
- $3.4 \times \text{---} = 34$
- $0.1 \times \text{---} = 1$
- $345 + \text{---} = 0.345$
- $0.05 \times \text{---} = 5$
- $1000 + 1 = \text{---}$
- $2.8 + \text{---} = 0.28$
- $236 \times \text{---} = 23\ 600$
- $32\ 000 + \text{---} = 320$
- $3.0002 \times \text{---} = 3000.2$
- $450 + 45 = \text{---}$
- $\text{---} \times 0.86 = 86$
- $\text{---} + 10 = 10$
- $972 + \text{---} = 97.2$
- $204.9 + \text{---} = 0.2049$

B, X	F, D	O, S	M, I	V, K	R, P	Y, M	Z, U	H, W	J, A
27	28	29	30	31	32	33	34	35	36



The tournament cup is about to be presented to the winning team. The winning captain has led the team up the steps to where the officials are waiting with the cup. Just as the chairman of the football organisation picks up the cup, it comes apart in his hands! Straight away, he knows that the cup is a fake.

Where has the real cup gone? Who has taken it? As the cup is kept securely within the football organisation, the police believe it is someone within the organisation.

Your task is to solve the clues and identify the person who has stolen the real cup.

Good luck!

The Mystery of the Missing Football Cup

Clue 1: True or False

In a football organisation there are 672 employees.	True
259 of these people work in the head office.	True
This means that 413 people do not work at head office.	True
In a football tournament there are 32 teams.	True
Each team has 3 goalkeepers.	True
This means there are 106 goalkeepers altogether.	True
If a football match lasts for $1\frac{1}{2}$ hours, then half-time is at 80 minutes.	True
Tickets for the final match of a football tournament cost £23 for adults and £16.50 for children. This means a family of 2 adults and 3 children would pay £95.50.	True
Without counting the goalkeeper, a football team play a formation where $\frac{3}{10}$ of the team are attacking and $\frac{1}{10}$ are midfield.	True
This means that $\frac{2}{5}$ are defending.	True
A football match has 300 seconds of extra time. This is the same as 5 minutes of extra time.	True
A football pitch is 92m long and 45m wide. This means that the perimeter of the pitch is 274m.	True
Total:	

If there are more true answers, the thief is male.
If there are more false answers, the thief is female.

The Mystery of the Missing Football Cup



Name	Gender	Age	Role	Team Country
Anrit Arora	Female	35	Coach	India
Ben Back	Male	56	Administrator	Algeria
Charlie Cauton	Male	32	Personal Assistant	Canada
Danielle Diving	Female	48	Director	France
Eva Extra-time	Female	43	Performance Director	Poland
Freddie Foul	Male	30	Data Manager	Canada
Gethin Goal	Male	51	Finance Director	Ireland
Hamish Header	Male	52	Director	Scotland
India Indirect	Female	49	Finance Assistant	Jamaica
Julia Just	Female	62	Coach	Serbia
Kelichi Kickabout	Female	63	Secretary	Japan
Liaquat Linesman	Male	54	Chairman	Iran
Magda Match	Female	61	Deputy Chairman	Austria
Noel Nutmeg	Male	66	Administrator	Wales
Oscar Overhead	Male	65	Regional Director	Brazil
Peter Penalty	Male	35	Director	Israel
Queenie Quick	Female	67	Coach	Nigeria
Ruby Relegation	Female	50	Administrator	New Zealand
Sofia Sweeper	Female	44	Director	Bulgaria
Thomas Transfer	Male	49	Regional Director	Czech Republic
Ulrich United	Male	72	Coaching Director	Germany
Victor Video	Male	28	Finance Manager	England
Wilhelm Woodwork	Male	58	Coach	Sweden
Zeba Zonal	Female	37	Regional Director	Pakistan

The Mystery of the Missing Football Cup

Clue 2: Cross it Off

Solve the multiplication problems. Cross off the answers in the grid. The clue that is not crossed off will reveal something about the age of the person who has the trophy.

$8 \times 7 =$	$4 \times 8 =$	$5 \times 6 =$
$6 \times 9 =$	$6 \times 11 =$	$5 \times 7 =$
$7 \times 7 =$	$8 \times 9 =$	$4 \times 7 =$

The tens digit of their age isn't 2.	The ones digit of their age isn't 3.	The ones digit of their age isn't 5.
72	30	56
The tens digit of their age isn't 2.	The ones digit of their age isn't 8.	The ones digit of their age isn't 5.
16	54	35
The tens digit of their age isn't 6.	The tens digit of their age isn't 7.	The ones digit of their age isn't 0.
32	54	66

Clue 2:



Clue 2:



Clue 1:

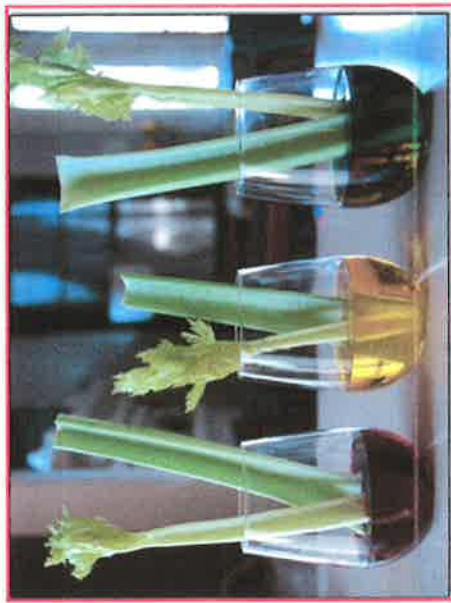
Literacy



Story Planner

Introduction	Build-up
Conflict/Climax	Resolution

Science



Below are a list of websites with topics and ideas:

<http://www.sciencekids.co.nz/projects.html>

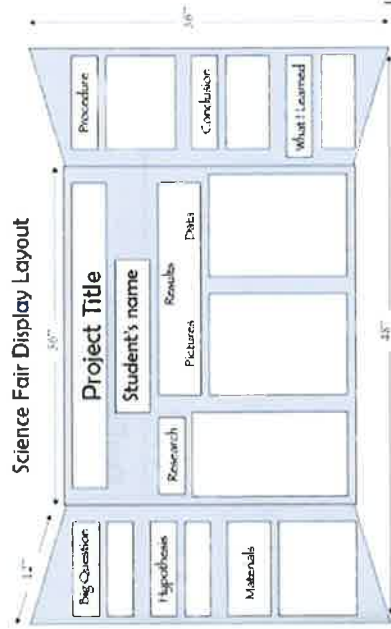
<http://www.scholastic.com/teachers/article/40-cool-science-experiments-web>

http://www.scienceprojectresources.com/3rd_Grade_Science_Fair_Projects.asp


<http://www.science-fair-guide.com/>

SCIENCE FAIR PROJECT BOARD

Science Fair Display Layout




At the Church




Church is a place where Christians go to worship God. They pray and sing hymns. The church is a building with a steeple. It is a place where people meet to worship God.

At the Gumbazara




Gumbazara is a place where Muslims go to worship Allah. They pray and read the Quran. The Gumbazara is a building with a dome. It is a place where people meet to worship Allah.

At a Mandir



Mandir is a place where Hindus go to worship their gods. They pray and offer flowers. The Mandir is a building with a spire. It is a place where people meet to worship their gods.



ink saving Eco

Comparing World Religions Judaism and Islam

Special Book	Place of Worship	Special Book	Place of Worship
General Beliefs	Important Figure	General Beliefs	Important Figure

Useful words:

Quran	Torah	Mosque	synagogue	Allah	hijab
God	pray	Muslim	mosque	tallit	Prophet Mohammed
Rabbi	Iman			Hebrew	five pillars

ink save

Places of Worship

A task setting PowerPoint about the Buddhist temple for Key Stage 2

Important Features of a Buddhist Temple

- Stupa:** A large stone structure that holds the remains of a Buddha or other holy figures.
- Chakra:** A wheel with eight spokes, representing the Eightfold Path.
- Stupa:** A large stone structure that holds the remains of a Buddha or other holy figures.

Why do People go to a Buddhist Temple?

People go to Buddhist temples to worship the Buddha and to pray for themselves and others. They also go to learn about Buddhism and to practice their religion.

Places of Worship Sorting Activity

Sort the pictures into the correct columns in the table below.

Christianity	Islam	Buddhism	Judaism

