

St. Comán's Wood Primary School

Roscommon STEP 2-Maths



Use of Maths in Science

- Maths and Science are inextricably linked. You cannot have one without the other. The integration of Maths & Science was constantly discussed when carrying out the experiments. The skills which overlap both Science & Maths are as follows: Applying & Problem Solving, Communicating & Expressing, Integrating & Connecting, Reasoning, Implementing, Understanding & Recalling, Observing, Asking Questions, Predicting, Hypothesising Investigating & Experimenting, Interpreting Results, Recording & Communicating Results. Pupils used the maths & science skills during all stages of the STEM project from initially looking at what was required, collecting equipment, applying the skills they have learned. They had to use appropriate language & communicate with their group members & peers while carrying out the experiments.

Ms. Dolan's 2nd Class during Maths Week 2019

Maths Week 2019

Here is a sample of what one of our classes did during Maths Week this year: Ms. Dolan's 2nd class used a variety of challenges from both the PDST and www.mathsweek.ie They also set each other challenges during break and lunch times.



Ms. Dolan's 2nd Class during Maths Week 2019



Ms. Dolan's 2nd Class learning about Maths through ICT

Information Technology is used in connection with many curricular areas in Ms. Dolan's class.

In numeracy, challenges are set and achieved using an online tool called Manga High. Children engage with this in small station groups as an individual activity. All challenges are differentiated by the teacher and this year some basic coding challenges have been included.



Maths in Ms. Killeen's Junior Infants



Maths in Ms. Ward's Senior Infants



St. Comán's Wood Maths Trails



Junior/Senior Infants Maths Trail (Classroom Based)

NAME: _____ Date: _____

How many groups in your class?
How many children in your group?
How many boys and girls in your group?
How many children are absent today?
How many legs on your table?
How many legs on your chair?
How many fingers have you on each hand?
How many fingers have you altogether?
How many circular shapes can you see?
How many square shapes can you see?
How many rectangular shapes can you see?
How many triangular shapes can you see?
How many legs altogether have the girls in your group?
How many legs altogether have the boys in your group?
How many more boys than girls in your group?
How many less in your group than in the group beside you?
Name the boys/girls in your group that are taller/smaller than you?
What shape is the clock? (circle/square/triangle/rectangle)
How many children in your group have black hair?
How many children in your group have brown hair?
How many children in your group have fair hair?
How many windows in your classroom?
What shape are the windows in your classroom?
Did you come to school in the morning, the evening or the night?
Name something in your class, which is shorter than your pencil?
Name something in your class, which is longer than your pencil?

First/Second Class Maths Trail (Classroom Based)

Name: _____ Date: _____

How many boys and girls in your class?
How many children altogether in your class?
How many children altogether in First/Second class in the school?
How many children altogether in First and Second class?
How many circular shapes in your class?
How many square shapes in your class?
How many rectangular shapes in your class?
How many triangular shapes in your class?
What shapes are on the floor?
What time did school start today?
What time will school end today?
How many children altogether in the school?
How many children are absent today in your class?
How many children are in school today in your class?
What is the length of your table in hands?
What is the width of your table in hands?
Find the length/width of your classroom in strides/feet?
Estimate how many metres long your classroom is.
Estimate how many metres wide your classroom is.
How many centimetres long is your pencil?
How many centimetres long is your Maths book?
How many centimetres wide is your Maths book?
Does your schoolbag weigh more than/less than a bag of sugar (1 kg.)?
What coins would you use to pay for something costing 24c? Name 3 different ways of doing this.
What coins would you use to give the exact amount for something costing €1.70?

St. Comán's Wood Maths Trails

Third/Fourth Class Maths Trail

Name: _____ Date: _____

How many children in your class?
How many children in the whole school?
What time did you leave for school this morning?
At what time did school begin this morning?
How many minutes from when you left home until class began?
At what time is small break?
What time is it 15 minutes after small break ends?
What time is it 15 minutes before small break ends?
At what time does big break (lunch) end?
What time is it 20 minutes before school ends?
How much did your pencil/rubber cost?
If you bought 4 pencils, how much would they cost?
What is the cost of a litre of 7-up in your local shop?
How many biscuits in a packet of Digestive biscuits?
Name 4 things in the class, which are longer than a metre?
Name 4 things in the classroom, which are shorter than half a metre?
What is your own height in metres and centimetres?
What is your teacher's height in metres and centimetres?
How much smaller/taller are you than your teacher?
Estimate how many litres of water your classroom sink holds.
How many metres long is the school yard?
How many metres wide is the school yard?
Estimate the area of the classroom in square metres.
How many children in your class have brown hair?
How many children in your class have black hair?
How many children in your class have fair hair?
If you throw a dice what is the likelihood of getting a 5?
What is the likelihood of you watching T.V. tonight, likely, unlikely, definitely or never?
Have you anything in your bag that is the shape of a hexagon?
Name 4 items at home that are the shape of a cylinder?
What 3-D shape do we associate with Egypt?
Look at the clock, what time is it now?
What sort of angle do the two hands of the clock make? (acute, obtuse, right-angle)
Find a sphere in the halla?
Name a chocolate bar that is in the shape of a triangular prism.
Name 6 sets of parallel lines you can see in the classroom/school yards?



St. Comán's Wood Maths Trails

Fifth/Sixth Class Maths Trail

Name: _____ Date: _____

What numeral is over the door in the post-office?
Is it a special number? (square, rectangular or triangular)
Write down 3 rectangular numbers on your road/street?
Write down 3 triangular numbers on your road/street?
How would you find out many cars the supermarket car-park can hold?
How many Fords/Toyotas/Opals are parked in the school car-park?
Which is more likely to pass by your school gate at 11.00a.m.? – An articulated lorry or a tractor?
Find the cost of a kg of sausages in the supermarket.
What would the cost of 19kg of sausages be?
Find the cost of a kg of fillet steak.
What would the cost of $\frac{1}{4}$ kg of steak be?
What would be the cost of 9kg of fillet steak?
What shape are the tiles of the local supermarket's floor?
What number is on your classroom door?
What is the length of your classroom in metres?
What is the width of your classroom in metres?
What is the area of your classroom in square metres?
Is 1 square metre of tiles cost €24, how much would it cost to tile your classroom floor?
What is the cost of a litre of unleaded petrol in the local garage?
If a car holds 48 litres of petrol, what would it cost to fill the car with petrol?
What change would you get from €100 if you filled the car with petrol?
What is the cost of a litre of diesel?
What would it cost a lorry driver to fill his lorry with 94 litres of diesel?
If the lorry driver got a 10% discount, what did he actually pay for the diesel?
What time did you leave home for school this morning?
How long did your journey to school take you?
What time did school start today?
What time will school finish today?
How long are you in school altogether each day?
Excluding breaks, how long are you in school altogether?
What is your favourite movie? How long does it last in hrs and mins (approx.)?
Where is the closest cinema to Roscommon? How far away is it in kms?
What is the cost of an adult and what is the cost of a child's ticket in this cinema?
What would be the cost for a family of two adults and four children to go to this cinema?
Where is your nearest fast food restaurant?
How much does your favourite meal cost in this fast food restaurant?
How much would it cost for you and your friend to eat the same meal?
How much change would you get if you paid for the 2 meals with €20.00?
If the restaurant offered a 5% discount to students, how much would your meal cost after the discount?

