

8 I predict that the rid will be the best themal inductor building you put the shull will up the gol on the ortide it will about the bast and the shing nike keeps the heat	·Size of the cup	<u>8</u>	/orking So	cientifica	ally (3 of	f <u>3)</u>
Results We will be reasuring and eventing the temp (*) over time. time. time. time. time. time. time. time. 57 54 52 50 48 47 44 1500 more 57 53 50 49 46 45 41 16°C more S7 55 53 50 49 47 43 14°C al. 57 55 52 50 49 47 43 14°C al. 57 55 52 50 49 47 44 12°C tot. 50 53 45 44 42 41 38 15°C Conduction	The place the cups are left huge of thermometer used Prediction I Prediction Predict that the cup Will be the best insulator because it is hard. They at had up tomer we a total of the material mappe Results areas then We will be measuring and reforming temperculture (St. Over time	Science 13	22-36 months 15. Notices detailed features of objects in their environment 30-50 months 17. Can talk about some things they have observed such as natural and found objects 40-60 months 21. Looks closely at similarities and differences, pattern and change	Children know about similarities and differences in relation to objects and materials Exceeding They know the properties of some materials and can suggest some of their purposes they are used for They are familiar with basic scientific concepts such as floating and sinking	 17. Can talk about some of the things they have observed such as plants 18. Talks about why things happen 19. Developing an understanding of growth, changes over time 20. Shows care and concern for living things 	They make observations of plants and explain why some things occur and talk about these changes Exceeding Children know living things are influenced by human activity They talk about the features of their environment and show how environments migh vary
Los our investigation we could out that the chik althe new the best themal investor Channess (that it cho cell by 12 2. The paper was the worth investor. This is shown by our worth whom he did dift. total it (570) that it cent door he 12° on it wild at (449. The paper started one is (578 but it gell by (69 and it which it (41). By population we islowed the and it which it (41). By population we islowed the start of the gell would be the heat there is thought the gell would be the heat there is a the second will be the arcourse also of the second will be the arcourse also of the second will be the arcourse also of the second will be the arcourse the second of (50°) the would will be the last started at (57 or 66°C) it would will be the last started at (57 or 66°C) it would fill be the arcourse Well day ' Mid would be a start would will day ' Mid would be a the start of will day ' Mid would be a the start of the will day ' Mid would be a the start of the start of the will day ' Mid would be a the start of the start of the will day ' Mid would be a the start of	$\begin{array}{c} \label{eq:result} \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	model fa difficult now do EYFS lea	Sprinting 74	e always thou eption. I feel	ught it would confident tha 2 7 3	be too at we can 14
The hardest bit of science is when we write what we have found up. It takes a long time do and I write slowly Year 4 pupil		1 and	pound out that I raised my h the least is able as the fi able as the fi	where arriver	the most is for this m to g heart b	s the sprinting y results seen and are b. Hy
Marking Codes (EVIDENCED) 10 SK Prope TABL their p SD Supre	The repulse show that the bree are highly full of earbon dioxide. This is because Queens drive is a busy coil as many cars go post with means that control is coming out of corts. I know this because years you went autoride and we cannot that many cores passed St Mathews. It bushed out every 2 minister about 120 cars go part. If we	are Are the the the the the the the th	both results a wills arrit fair Pair but wh Some had move this f cas they are results is g uts. I would some where	ve fair but as on ead at wast in slipon Shoer air we sh thall the s good becaus d umprove	the reliability of the Sp o that people and about oursd all w omed off w omed off w omed of the e I have r She experime	ty of all our worth / excercises the had branes dipperant clathes ear our P.E. reliability of a anomalys and lay doing
Scientific reporting is one of the most difficul aspects to teach. It takes time to have detaile discussions about their findings, what the da should have shown. It is much easier to use t marking codes to focus in depth at one partic	ta the the the the the the the the the the	a hopp a hopp Jerry Jerry John da	White see is: What do scientists mi can we ensure there cientists mean a seet only b	is a high degree of	trust in our results	they where to

aspect. The use of the visualisers to analyse good

examples really helps. Year 6 Teacher

- 1. Science curriculum leader would benefit from working more closely with the EYFS staff to develop a deeper understanding of learning here.
- 2. Teachers need to use more repetition of key facts to enable children to retain information

Curriculum Standard's Committee

Science at St Matthew's

Intent: To continue to develop T & L at St Matthew's, to provide a supportive mechanism for other schools/HE settings, work with Parents/Carers and the local community.

Primary Quality Science Award (PQSM)

Application for 'Outreach Award' underway- completion July 2020

Criteria- Subject leadership, T &L, CPD, wider opportunities, local and wider activity. Focus on wider opportunities for this award. Including:

- Support for other schools (Primary and Secondary)
- Working with colleagues in Higher Education
- Development of resources within the local community
- Publishing journals/resources to reach wider audiences

How?

1

Work with SJB/SFX to provide booster sessions for Year 5 dirls and Year5/6 bovs.



Governor Standard's Committee Science 2019 and Beyond

division

Data Analysis of Teacher assessment in Autumn 1 and 2 2018

Strengths-KS1

Predicting Comparing Describing observations

Strengths-KS2 Planning experiments Fair testing Identifying variables

Producing graphs Conclusion/analysis of results <u>Areas for development-KS2</u> Use simple standard measures;

Areas for development-KS1

Reading scales to the nearest

cm, mm, kg, g, cm3, minutes, seconds, Newton. -measure to t nearest whole or half unit or mi, units.

Producing graphs Conclusion/analysis of

'Show and Tell' is a great way to see the learning at school. it is extremely useful to see what the school as a whole are doing in science. **A. Fair-Science Link Governor**

Governor Links

Outdoor Learning Synopsis for Governors 2020 and Beyond



Outdoor Learning is one of the key priorities in this year's SDP. As you are aware, we have very limited green space on site and we needed to develop this further in order to give our children the best possible education. The health and wellbeing benefits of learning outdoors are well documented and explained in St Matthew's Outdoor Learning policy 2020.

Children will be regularly attending learning off site both at Windsor Gardens and our new allotment with the aim to include weekly or fortnightly sessions where all curriculum areas can be covered, not just science.

'Bucket' School

Outdoor learning will be part of our 'Bucket School'. Each child has a bucket, personalised high visibility jacket and backpack with a range of equipment in.





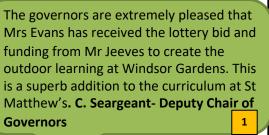


On Site Development

Large planters, spring bulbs and compost will help create a flower 'Maze' on site. They will be positioned so that children can play amongst them as part of playtime and have the opportunity to observe closely the changes throughout the year. Children will plant and maintain these as part of their learning on site. Additionally, this area will be transformed by a brightly-coloured mural designed by the children (like the one below). This project should make the learning at the gardens and allotment more relevant day to day. We will continue to develop the site using other areas in 2021 and beyond.

We really like the idea of introducing 'Bucket School' next year. We feel it is very innovative.

F. Vaudrey- Chair of Governors



An example of colourful images that children may

School Improvement Priorities

We are concentrating on resilience and mental health and wellbeing for all staff and

children for the moment. We are still aware that we want to maintain high standards work

towards this will start shortly.

We are also looking at the outside environment with the Windsor Gardens Project and the bucket school. We area also looking at our own outdoor environment with a local gardener who will work with the children to plant planter: around the school. In the future



Cross Curricular Links (1 of 2)

It's really useful having the previous year's vocab in the plans. In the past, I made assumptions about their understanding of words and definitions.

Year 3 teacher

ar 1 Yea ale is callection Big cats - D iwasher-lap Why do I was gage-tag facts Invertebra wass tag facts In the Gar wass, tag facts wass tag facts Keeping F Yea New to live Yea A world of Milliburds (W)	X x2 (yr2) ash my hands (yr2) ates (yr2) rden (yr2) Fit (yr2)	Year 3 DK mini- dogs, mammal animals and insects (x4) 3) Top facts- Dinasaurs a natural wanders (yr3) You waldit want to li without bees (yr3) Curious about dinasaurs (Curious about my body (QC n(Yr4) and You wouldn't want to liv a) without electricity (yr4) vive You wouldn't want to liv without dentists (Yr4) You wouldn't want to liv without dentists (Yr4) You wouldn't want to liv	 DK Space travel (x2) (Vr8) Yao wouldn't want to live without geography (Vr8) Yao wouldn't want to environ without setellites (Vr8) 	Year 6 Your heart and lungs () DK Science (x2)(yrf) DK mini Science (x2) (y Ecology
Signed by the second	ash my hands (yr2) ates (yr2) rden (yr2) Fit (yr2)	animals and insects (x4) 3) Top facts - Dinosaurs a natural wonders (yr3) You wouldn't want to li without bees (yr3) Curious about dinosaurs (QC n(Yr4) and You wouldn't want to liv a) without electricity (yr4) vive You wouldn't want to liv without dentists (Yr4) You wouldn't want to liv without dentists (Yr4) You wouldn't want to liv	 DK Space travel (x2) (Vr8) Yao wouldn't want to live without geography (Vr8) Yao wouldn't want to environ without setellites (Vr8) 	DK Science (x2)(yr6 DK mini Science (x2) (1
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Yr1) 't want to live: A world of Mi tibletics (Yr1) (yri		Curious about my body ((yr3) Electricity (Yr4)	the second s	
tibietics (Vr1) (yri	icroorganisms			Curious about the solar system (Yr6)	Circuits and conductors(
	2)	Peeking under your skin ((yr3) Your digestive system (Yr	 Planets and stars (Yr5) 	Mixtures and Compounds(Yr6)
ut animals (Yr1) Natural Hab	oitats (yr2)	Light and dark (yr3)) Why do I brush my teet (Yr4)	h? DK mini Barth (x2) (Yr 5)	Isoac Newton(Yr6)
te (Vr1) The Rock Fo	actory(yr2)	Your bones (yr3)	Curious about saving the earth (Yr4)	t DK mini Space (X2) (Vr5)	You wouldn't want to i without sleep (Yr6)
nd seasons (yr1) The Rock C		DK mini rocks and miner (x2) DK inventions (x2) (r4) DK mini Cars (x2)(Vr6)	
ch(Yr1) Dinosour	rs (yr2)	Rocks (yr3	About Reptiles (Yr4)	Progs(Yr5)	
ring(Yr1) Light and C	olour (yr2)	Springs and Magnets (y	rr3) Whales and Dolphins (Yr	4) Earth Materials (Yr5)	
I run ² (yr1) DK animals	s xZ (yrZ)	Colour and Light (yr3	l) Bears (Yr4)	Blast Off-Let's Explore the Sun(Yr8)	
		Boeing Light and ~Shad (yr3)	Sow Transport Firsts (Yr4)	100 Pacts about Space(Yr5)	
		Rocks (yr3)	Hamsters (Yr4)	Energy(Yr5)	_
Seeds to sum	flower (Yr2)	Triceptors and Horns(y	r3) Animal Communication (Yr	4) Space Exploration(Yr6)	
Pushes od	pulls (yr2)	What we Eat(yr3)	Save the Tiger (Yr4)	Space × 2(Vr8)	
Material	ls (yr2)	Crystals and Gems(yr3	 What's inside everyday things (Vr4) 	Quiz Facts-Earth and Searce(VrB)	
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penguins! from which it is made

identify and name a variety of everyday

water, and rock d

physical properties.

Working Scientifically

Try and answer a question

Plan

materials, including wood, plastic, glass, metal,

Describe the simple physical properties of a

compare and group together a variety of

With help begin to choose ways to:

Take a few guided planning decisions

Recognise when simple test's unfair

Make own suggestions on how to collect data

everyday materials on the basis of their simple

variety of everyday materials



logging/G raphing

Can use a suitable on-screen program to represent informati on with pictures

Can use a graph presente d on

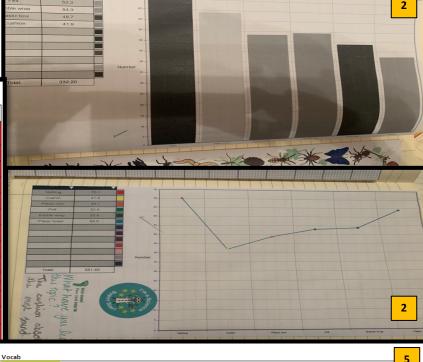
presente once the data needed has been outlined d on Make a simple prediction if appropriate (based screen to on competing they have observed before but whispering to them about the blocks of ice on the tables. Focus their attention on the play figures frozen into the ice blocks and ask:

Challenge <u>chn</u> to stop the penguins from melting and to devise an investigation to explore ways of keeping their ice block from melting.

Chn fill in discovery dog sheet. Encourage independence and promote discussion of each section. (as per last session- the aim is to allow them to understanding the importance of the planning process).

Consider how you will gather the data. Will it be based on observation? Discuss the limitations of this as scientific data. Discuss why scientists use equipment like data loggers.

Chn carry out the investigation using group



Vocab from year 1

5

Names of common animals – fish, birdsetc. , Meat-eaters, Plant feeders, Habitat, Wild animals, pets , Senses, Hear/hearing, see/seeing, Touch / touching, Taste/tasting, Wing, Claw, Tail , Beak, Fur, Feather, Fin , Scales, Amphibians, Reptiles, Mammals, Carnivores, Herbivores, Omnivores

Yr 2 Vocab

Living, Alive, Non-living, Dead, Move, Grow, Feed, Breathe, Have young, Needs, Shelter, Heat, Habitats, Conditions, Characteristics, Adaptation, food chain, Name micro-habitats – log, bush, Describes conditions – damp, dark <u>stc</u>, Food chain Carnivore, Herbivore, Omnivore, Name local habitats – pond, woodland, Life processes, Reproduce, Respire, Excrete, Producer Consumer, Sourcesoffood, Seashore, Orean, Bainforest, Microbabitat, Conditions, Desendsonvilledto,

<u>All Y4 vocab</u>

Electricity, Electrical device / appliances, Mains Plug, Components , Conductor, Insulator

Complete circuit, Closed circuit, Open circuit, Positive , Negative, Crocodile clip, Series circuit, te

Series circuit, Terminal, Voltage volume, Current, Resistance, Circuit diagrams, Parallel circuits

nove co-experimenter, i	ab technician and lead scientist)	presentation
	sh, bend, pull and stretch' on the board. Chn to create e of these words in and add accompanying action. 'he words.	Floor surfaces packs x 7
auda daa	O. Discourse (a favora in a such as a sufficiency) in a such	
<u>owledge</u> mpare how things move on	O: Place sentence 'a force is a push or a pull in a par the board. Allow <u>chn</u> to suggest suitable actions and	
ferent surfaces	class. Repeat this throughout lesson.	4
mpare 3 or more things	Making Things Move: Recap forces using the Lessor the children to discuss how the cyclist can change the	



Cross Curricular Links (2 of 2)

6

Measurement

Statutory requirements

Pupils should be taught to:

- convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)
- understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints

Statistics

Statutory requirements

- Pupils should be taught to:
- solve comparison, sum and difference problems using information presented in a line graph
- complete, read and interpret information in tables, including timetables.

In 2017 and 18, statistics and measurement were the biggest area for development in maths. Myself and Mrs Evans made changes to planning in both maths and science. This is no longer a concern. Maths Coordinator

Pupil voice overview Autumn 2019-2020

Areas of Strength Areas of Development Children enjoy science at St Matthew's- especially Children want to wear lab coats more practical science. They agreed that we do a lot of this often (120 new lab coats ordered-waiting

	practical science. They agreed that we do a lot of this	often (120 r
	Maths is used in a lot in science and it helps them	for arrival)
4	remember what they have learnt in maths	Want more
	Children understood hop science links with other	work
-	subjects (P4C, Geography, PE, Maths)	Chn not alw
	Children find Science hard- especially when working	definitions
1	independently to solve problems	(tertiary wo
	They love working in groups and having a role to follow	Teachers ne
	Chn loved that they work independently and have to	orally recap
1	problem solve (even though it is hard)	children's co
	Lots of Chn wanted to become a scientist when they	abstract the
	are older	Children we
	Chn completing activities from science newsletter at	use questio
	home. Keen to win competition	further/cha
	Chn responded well to Nobel Prize Winners/Wall of	Retention o
	Fame and celebration assembly.	Teachers lin

Chn loved doing science with parents as part of Science

8

Want more time to complete practical work Chn not always confident to explain definitions of more complex words (tertiary words). Part of action plan Teachers need to reinforce learning by orally recapping each lesson to build children's confidence of explaining more abstract theories. Children were unsure how the teachers use questioning to probe further/challenge Retention of knowledge? Teachers linking previous learning i.e. resistance in Year 6- link to air and water







ata Logging/graphing

- Know sensing devices can be used to monitor changes in environmental conditions and are present in a variety of real-life situations Can collect data from internet research, digital surveys and digital devices
- 11 Can collect data from internet research, digital surveys and digital devic Can read and interpret bar and line graphs created through data logging
 - Know that computing can create graphs for different purposes
 - Can enter data into a graphing package and use it to create a range of graphs & interpret results
 - Internet Research
 - . Know that content on the internet can be located efficiently but is not always relevant
 - Can use key words for effective Internet searches
 - Can select relevant information (pictures, text, sound and video) to use in other software

1 The capacity packs have really helped develop the children's skills and understanding of accuracy. They use question stems to explain their choices of measuring equipment. Maths Coordinator

9

11

I think that... My opinion is... Tbelieve that... In my view... Some people believe Christians might sa

would like to build on ___'s point by, agree with __ but I would like to add. in addition to _'s point. This argument could be better if... To go one step further... Other supporters of this might say... I think this links with...

	\sim
c /	
-1144	

6B have been very busy using and sorting

with classification keys in our science weeks topic. We also studied a taxonomist called Carl Linnaeus

5685

St Matthew's CPS Curriculum Map : External Trips and Visitors 2019-20

	AUTUM	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
	N 1					
	Baby Clinic	Chester Zoo	Space Pirate Visitor	Green Acres Farm	Blue Planet Aquarium	New Brighton Beach
Recepti	Visitor	Chester 200	Space Pirate Visitor	Green Acres Furm	Blue Planet Aquarium	New Brighton Beach
on	VISITOR				Earthworks- Allotment and	Earthworks- Allotment and
				Earthworks- Allotment	Windsor Gardens	Windsor Gardens
				and Windsor Gardens	Windson Gandens	windson Bandens
Year 1	Visitor-	Chester Zoo	Veterinary visit	Croxteth Park Rangers	Forest School	Former Ted's
year I	Nurse to	Chester 200	verennury visit	Croxielli Furk Rangers	Tonest School	Turmer Teas
	talk about			Earthworks- Allotment	Earthworks- Allotment and	Earthworks- Allotment and
	families			and Windsor Gordens	Windsor Gordens	Windsor Gardens
Year 2	Church	Chester Zoo	Nurse Visit/ Over the	Kingswood	Nature Ranger Sefton Park	Ice Cream Farm
year 2	visit -	Chester 200		Kingswood	Earthworks- Allotment and	Ice Cream Farm
	baptism		top puppets	Earthworks- Allotment	Windsor Gardens	Earthworks- Allotment and
	baptism			and Windsor Gardens	windson Gardens	Windsor Gardens
	-	Chester Zoo	Zoo Lab		C	
Year 3	Synagogue	Chester 200	Zoo Lab	Chester Roman Day	Catalyst Museum	Wild Boar Park
				Forthworks- Allotment	Earthworks- Allotment and	Earthworks- Allotment and
				and Windsor Gardens	Windsor Gardens	Windsor Gardens
	Moncheste	<u>a</u>	N			
Year 4		<mark>Chester Zoo</mark>	Norton Priory	Liverpool Art Gallery	Big Bang North West	Forest School
	r Science			Forthworks- Allotment	Earthworks- Allotment and	
	<mark>Museum</mark>					Earthworks- Allotment and
				and Windsor Gardens	Windsor Gardens	Windsor Gardens
Year 5	Theatre	<mark>Chester Zoo</mark>	<mark>Jodrell Bank</mark>	Pier Head	Big Bang North West	Wirral country park/beach
	Arts trip			-	-	-
				Earthworks- Allotment	Earthworks- Allotment and	Earthworks- Allotment and
				and Windsor Gardens	Windsor Gardens	Windsor Gardens
Year 6	Martin	<mark>Chester Zoo</mark>	Lowry Art Gallery	Cadbury World	Big Bang North West	London Residential
	Mere		-		-	
			Earthworks- Allotment	Earthworks- Allotment	Earthworks- Allotment and	Earthworks- Allotment and
			and Windsor Gardens	and Windsor Gardens	Windsor Gordens	Windson Gordens

Space Pirate

Reception children were amazed by a space pirate who visited our lassroom, he needed help to fix his ship so that he could go back to space. While the children were helping Captain Morgan fix his ship he taught them all about the life cycle of a star and how planets orbit the sun.

.

4C have completed an experiment about how sound travels over distance. We used decibel readers, sound sources and trundle wheels. We found out that the further the sound travels,



6P have been classifying animals in their Science topic 'Animals

Extra Curricular and Science Capital (1 of 7)





teacher, what rule would you make for the school?

We are delighted to announce that the Year 5 Girls have won at the St John Bosco Science Fair.

This means that St Matthew's have won this award for 3 years consecutively. It was a huge honour to win as the competition this year was outstanding and we competed against other schools from across North Liverpool. The project was to investigate whether age and gender impacts upon the ability of a person to multi task? The children successfully completed a ten minute presentation, demonstration of their practical, explanation of their results as well as a 'grilling' about their experimental design from both adults and children. Well done girls, you have really made us proud!











Extra Curricular and Science Capital (2 of 7)

During lockdown, when my husband and I read the daily newspaper, Adam would reads the science paper that you sent on Dojos (Reachout Reporter Online). It was really lovely to see! Year 5 parent

Thank you so much Mrs Evans (sarcastically) for the Geode Egg challenge. Lucia has been doing it each night after school. Year 3 parent 10

I like doing lots of messy science in our kitchen. Its so fun to do because I show my granddad what to do. He likes to do it too. Year 4 pupil



Kence Prize We state We state

It Matthew's have been selected to be part of a very important pro ing with Liverpool City Council to act as Air Quality Control Office ing specialist equipment called diffusers to monitor the levels of isonous Nitrogen Dioxide (NO2) in the air surrounding our school. e diffusers are sent away to a laboratory for testing and the results be published monthly. Over the next twelve months, we will look at ays to reduce these pollutants and their potential health hazards.



St Matthew's Catholic Primary School Science Recovery Curriculum Plan 2020-21

7									
	Autum	n Term		Sprin	g Term		Summ	er Term	
Year 1	Animals Including Humans-Ourselves	Everyday Materials- Let's Build		Plants-What's growing in our Gardens?	Animals Including Humans -Our Pets		Everyday Materials- Marvellous Materials	Seasonal Changes- Wonderful Weather	
	Working scientifically	Working scientifically		<u>Dates</u> 1#- 12# February	Working scientifically		Working scientifically	Working scientifically	
Year 2	Animals Including Humans -Our Pets	Seasonal Changes- Wonderful Weather		Plants-What's growing in our Gardens?	Materials		Living Things and Their Habitats - Habitats	Plants-Read, Steady, grow!	
	(Catch up from Year 1) Working scientifically	Catch up from Year 1) Working scientifically	Autumn Science	Catch up from Yearl) Working scientifically	Working scientifically	Sprin	Working scientifically	<u>Dates</u> 21ª June- 2 nd July	Summe
Year 3	Plants-Read, Steady, grow!	Living Things and Their Habitats- Habitats	Week 2	Light- Light and Shadows	Rocks-Rocks and fossils	Scienc e	Plants	Forces and magnet -Amazing magnets	Science Week (
	(catch up from Year 2) <u>Dates</u> 5 th - 16 th October	(Catch u from Year 2) Working scientifically		Working Scientifically	Working scientifically	Week 4	Working Scientifically	Working scientifically	
Year 4	Forces and magnet -Amazing magnets (Catch u from Year 3)	Plants-Roots and Shoots (Catch u from Year 3)		Electricity Working scientifically	Sound		Living Things and Their Habitats-Name That Thing	Animals including Humans-Excuse Me age These Your Teeth?	
	Working scientifically	<u>Dates</u> 16 th -27 th November			Working Scientifically		Working Scientifically	Working Scientifically	
Year 5	Living Things and Their Habitats-Name That Thing	Animals including Humans-Excuse Me are These Your Teeth?		Earth and Space and Forces	Living Things and Their Habitats-Help Our Habitats		Materials	Living Things and Their Habitats-The Art of Living	
	(Catch u from Year 4) Working Scientifically	(Catch u from Year 4) Working Scientifically		Working Scientifically	(Catch u from Year 4) <u>Dates</u> 15 th -26 th March		Working Scientifically	Working Scientifically	
Year 6	Changes of Materials- Changing Materials	Living Things and Their Habitats-The Art of Living		Light and Sound	Living Things and Their Habitats-Classification Connoisseurs		Evolution and Inheritance-The Game Survival of	Animals Including Humans-The Art of Being Human	
	(Catch u from Year 5) Working Scientifically	(Catch u from Year 5) Working Scientifically		Working Scientifically	Working Scientifically		Working Scientifically	Working Scientifically	



SUBJECT

MFL.

Maths

Reading

Writing

MAD SCIENCE AT HOME

Subject Leader Time

Spring 2 2020

Speaking & Listening

5



he purpose of a newsletter is to give fun and easy experients for the Parents and Carers and Pupils at St Matthew's to do at ome.

8

DATE 24.2.20

26.2.20

2.3.20

4.3.20

9.3.20

10

St Matthew's Catholic Pr

In This Issue

lips for Being A Great Scientist at Home

Scientists use their <u>observational skills</u> to look at the faschating word irround them. It is an important science skill and important life skill. Being ware of your surroundings, taking in information, and evaluating the sitution are all examples of observation skills. An observation is a statement boout the characteristics of something. We make observations with our ienses - sight, hearing, tasks (unch, smell.

ber to ask for the permission of an adult. Always follow instructions slowly and carefully and do so with the supervision of an adult'

SUBJECT LEADER

H. Connor

J. Brooks

A. Parry

J. Chalmers

C. Rush

I Evans

Jen Evans- Science Coordinator at St Matthew's

Top Tip

'Before carrying out any in

vestigation at home, remem-

Competition Time

Are you a budding young scientist? Do you like to have fun with

Me and my sister do all the experiments that get sent home. My favourite was the rocket balloons. I raced them in the garden and I won! Year 2 pupil

10

Nobel Science Pri

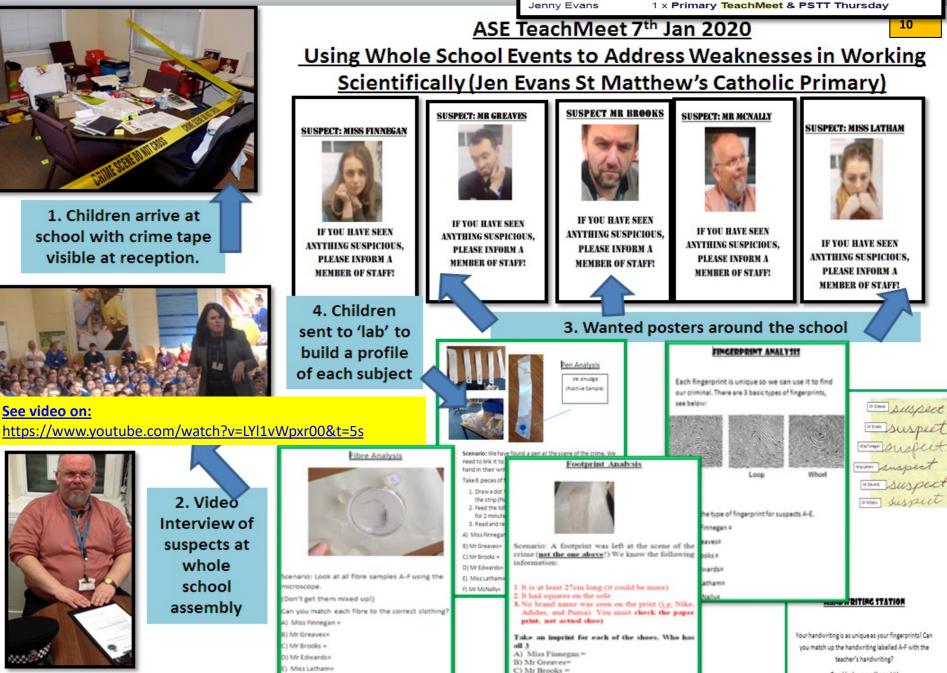


Extra Curricular and Science Capital (3 of 7)

Order Summary

Order #1571291321 - 5 January 2021

1 x Primary TeachMeet & PSTT Thursday

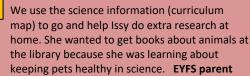




4P Cherry Lane fields to measure the Carbon content of trees as part of Science week. We also used paint in Maths to create symmetrical patterns.

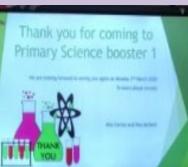


11





Year 4 Science Week Extra Curricular and Science Capital (4 of 7)







Chester Zoo

The children had an amazing time at the zoo. They saw lots of different animals including their focus animal the elephants! They saw a tiger eating its dinner, monkeys swinging and a bear drinking from a bamboo stick. We went in the bat cave and watched the giraffes playing.

Thank you to all our helpers!



This week, Year 6 have had a special visito to raise awareness about the dangers of gang culture. James worked with the probation service for over 18 years are provides workshops that aim to "educate. inspire and empower young people to take control of their future by rejecting ang lifestyle". As part of his Gangs fe N get away programme he



Year 6 have been learning all about light in their science lessons. They looked at the law of reflection and as an extension of this, created periscopes. They learned that the angle of incidence always equals the law of reflection and a periscope works when two mirrors are angled at 45 degrees. Next, they used their periscopes to spy around corners and did so by venturing around the school.





4D have been using cells, wires, bulbs and buzzers to try and build a working electrical circuit.







I day at Martin Mere which erent birds in different habitats in ovement. As well as doing lots of hy, we found our way around the o and from the area.



Vendredi 11 Octobre

Martin Mere



Extra Curricular and Science (6 of 7)



6 Deprivation

Ward Ra	Ward Range of LSOA Deprivation Rank by Category of Deprivation 2015													
		IMD		Income Deprivation Affecting Children Index			Income Deprivation Affecting Older Persons							
No of LSOAs	Min. Rank	Max Rank	Range	Min. Rank	Max Rank	Range	Min. Rank	Max Rank	Range					
14	595	4,740	4,145	133	6,482	6,349	1,291	7,119	5,828					

All LSOAs in England are ranked between 1 and 32,844. I indicating the most deprived to 32,844 being the least deprived. Min. rank shows where the most deprived LSOA within the ward ranks nationally, and max. rank shows where the least deprived LSOA within the ward ranks nationally.

Most Deprived LSOAs by Category of Deprivation 2015

		Most deprived 1%	1-5%	5-10%	10-20%	20-50%	50% +	Total
Index of	No. of LSOAs	0	6	6	2	0	0	14
Multiple Deprivation	Proportion of LSOAs	0%	43%	43%	14.3%	0.0%	0.0%	100%
Income Deprivation	No. of LSOAs	1	5	1	7	0	0	14
Affecting Children Index	Proportion of LSOAs	7%	36%	7%	50.0%	0.0%	0.0%	100%
Income Deprivation	No. of LSOAs	0	2	7	4	1	0	14
Affecting Old People Index	Proportion of LSOAs	0%	14%	50%	14.3%	7.1%	0.0%	100%

ource: Department of (Communities and Los	cal Government,	IMD 2015
------------------------	---------------------	-----------------	----------

Liverpool Index of Multiple Deprivation 2015	
	7
C C	OOR
Y	EAR
	ERM
	Jest C
Most deprived 1%	sh.
Most deprived 1 - 5%	_
Most deprived 5 - 10%	1
Most deprived 10 - 20%	
Most deprived 20 - 50%	1
Least deprived 50 - 100%	L
Crown copyright and database rights 2018 Ordnance Survey 100018351	

Dear Parents/Carers,

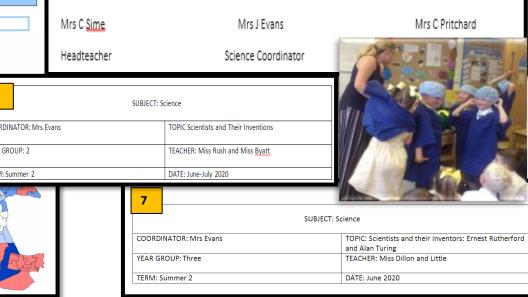
It's that special time of year when we hold 'Industry Week'. Last year was a huge success and our children enjoyed meeting parents who came into school to talk about their jobs. The week was inspiring and demonstrated to our children the achievements that hard work can create.

This year, we will be holding 'Industry Week' on **Monday 4**nd of July – Friday 8th of July 2020. The focus will be jobs within STEM (Science, Technology and Maths). Why have we chosen to focus on STEM careers? "*Research, engineering and technology jobs are expected to grow at double the rate of other occupations creating 142,000 jobs in the UK between now and 2023" Social Market Foundation and EDF 2018.* At St Matthew's we believe that by inspiring children at a young age, we can create the passion necessary to succeed in this rapidly expanding job market .The economy, our general well-being—it's all backed by science, technology, engineering, and math.

If you have a career that demonstrates any links with STEM or have a career that uses maths, science or technology in any way, we would like to invite you to speak to the children. The children will have some questions prepared for you however, you are welcome to bring any equipment or resources that may assist you.

If you wish to be involved in this exciting opportunity, please return the following slip to Mrs Evans by Monday the 21th of June 2020

Thank you for your continued support,

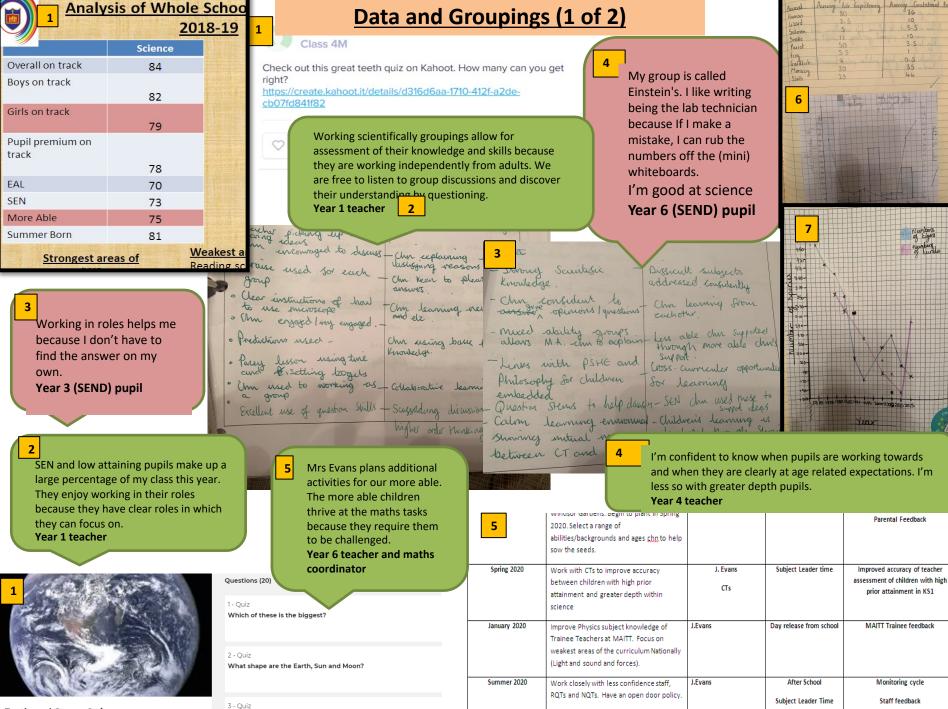




Year 5 pupil

I want to be one when I am older. Year 4 pupil

Year 6 (SEN) pupil



Earth and Space Quiz

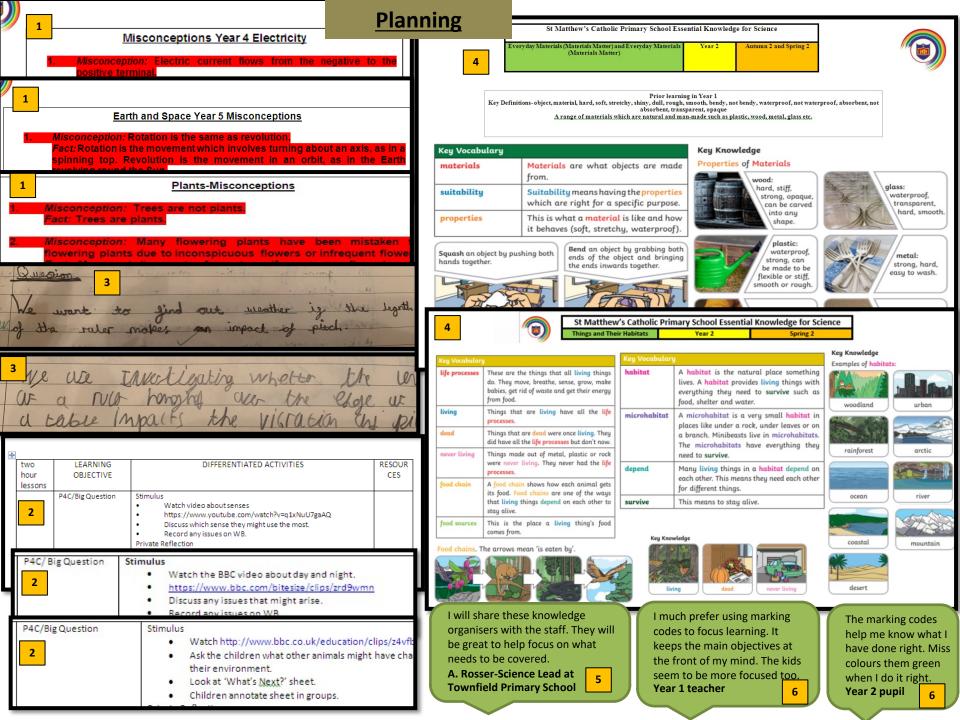
How long does it take the Moon to travel once around the F

Teacher Assessment per topic

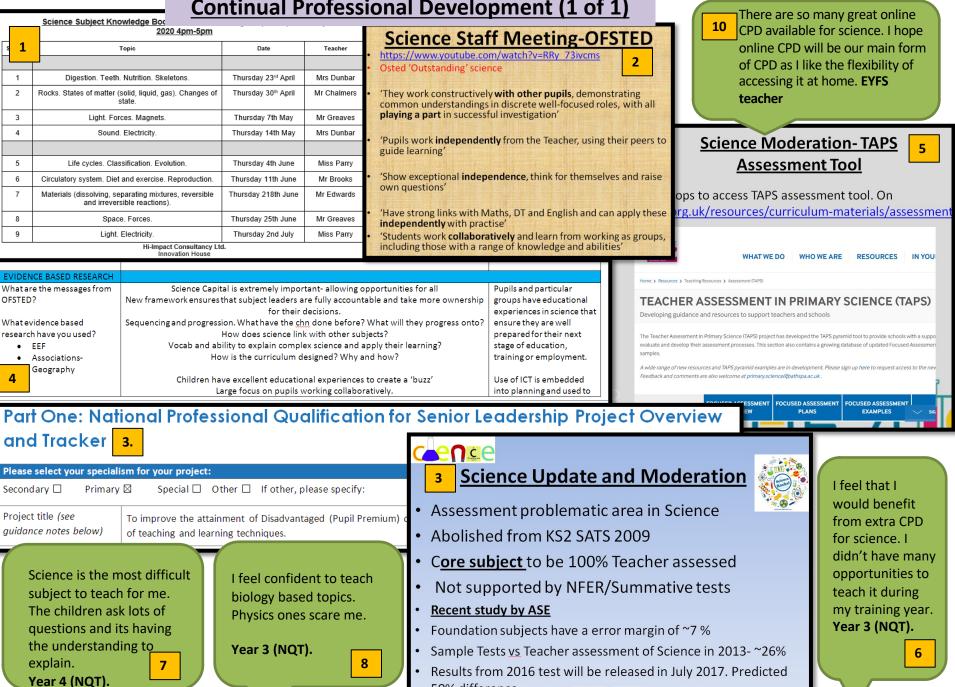
Data and Groupings (2 of 2)

К	L	М	N	O P	Q	R	S	Т	U	V W	Х
 recognise that they 	notice that light is	recognise that light	 recognise that 	Begin to choose		Suggest ways of	From a selection	Suggest the type	make simple		Compare
need light in order to see things and that dark	reflected from surfaces	from the sun can be serous and that there	shadows are formed when the light from a	ways to try and answer a	ideas and make some planning	making the test fair or if it can't be fair	say what equipment is	of data needed to be collected	predictions based on everyday	d fair test or pattern seeking	3 or more things
is the absence of light		re ways to protect their	light source is blocked	question	decisions	how they will	needed		experience and	l enquiry	
	Ĭ	eyes	by an opaque object			answer it by looking for a pattern			knowledge	(with help)	
						for a pattorn					
									Reported	l to staff fo	r
										developme	
									Planning	altered to	
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ч аск к Ог 77	77	82 BOYS OT	82 75	GIRIS OT WS PU 75	pripremium	33	33 NA		unve imp	provement	
77	77	75	75 38	38			35 NA		Analys	sis of Who	ole Sc
75	80	71	71 81	87		73	73		- marys		States in the state
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84	75	92	80 78	69		89	85			Science	
49	68	55	75 48	50		61	70	C			
77	75	70	72 67	65		75	70	Overall on	n track	84	
76	66	65	57 73	67		73	72	Boys on tr	ack		
Whole so	chool analysis	71	70 67	66		72	74			82	
	ing each topic							Girls on tr	ack		
by group								on is on th		79	
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Knowledge					g			track			
Knowledge		\checkmark								78	
Autumn 1	Autumn 2	Spring 1	Spring 2	Summ		<u>immer 2</u>	<u>Overall</u>	EAL			
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/ 64	T / 64	0 55	0 5	J /	04 /	04	61	SEN		73	
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Working Sci	entifically							and the second se			
								Summer B	Born	81	100
<u>Autumn 1</u> № %	Autumn 2 Nº %	<u>Spring 1</u> № %	<u>Spring 2</u> № 9	<u>Summ</u> 6 №	er 1 <u>Su</u> % N ^o	<u>1mmer 2</u> %	Overall Nº %			祖世間に言いるの思い。	Weak
7 64		9 82			64 7	64	70	St	rongest are	as of	
				- '	,					ALL AND A	Read

	Out	door Learning	5			Timetable for Ke	v from Earthworks	
9 As a school, I feel that we could take our learning	<u></u>		2			*See key points at	the end of docume	<u>nt</u>
outdoors more.		unding News Insights	Contac		Autur	nn 2 Term Science Wee	k Monday 16 th - 27 ^t	^h November
Parent Governor	FUND				, lata		Roots and Shoots)	November
	8	Funding	during COVID		Wednesday 18 th		,	
		Lanang			Where?	Time	Class	Group (1/2 of class each time)
	Logged in as j.evans@s	stmatthewscps.co.uk	Latest		School	9.10-10.00 back yard	Mr Heron	Group 1
			·		(Improving our school	by Geography maps 10.00-5 mins before	Mr Heron	Group 2
AFE@tnlcommunityfund.org.uk <afe@tnlcommunityfund.org.uk></afe@tnlcommunityfund.org.uk>		left off, start a new application	or <u>view all ac</u>	12 Feb, 07:54 (6 days ago)	environment-	break back yard by		
to me, c.sime@stmatthewscps.co.uk	Latest applica	tion			planters and bulbs)	Geography maps	Break	
			_			Five mins after break for 40 mins back yard	Mr McNally	Group 1
S & COMMUNITY	St Matthew's and Hub	Community Support	Fund an aj			by Geography maps		
FUND		t. 1 510.000	A quic			40 mins before lunch until lunch back yard by	Mr McNally	Group 2
	Amount reques		betwe			Geography maps		
Project ID: 20160796	Location: Merseys	April, 2021–26 April, 2022 iide	St		Tuesday 24 th N	ovember		
Hello Jenny	Organisation: St N	Aatthew's Catholic Primary School			Where?	Time	Class	Group or Class 'Bubble'
We're going to fund your idea	Status: Submitted	Last Monday at 13:54	Fund vour		Allotment	9.10-9.30 Walk to	Mr McNally	Class bubble
We're going to fund your idea We're really happy to tell you we will be funding your project following your application	on for National Lottery A	wards for All And we want to give	St Matthew's Co	mmunity Support and Hub	10000 to help			
your community thrive.	in for Hadonar Lottory /			similarity capport and rido	to holp			
Can you fill in this form so we know more about how the funding is helping you	ur community.					1 1 1	1 1 1	1 1 1
We'll send the funding to your bank account						ord		
You should see the funding in your organisation's account in the next couple of week	s. So you can start spe	nding it on the activities you told us	about in your a	pplication.				
			CabaalMau	th Group St. Matthew's Ca	tholic Primary	Learning activity	Windsor Garden V	Vildflower Site
Lead: Mrs J Evans Review [Date: Sep 2022		School/You	School		Learning activity		
2				MrMcNally			Mr Mills, Mrs <u>Clewes</u>	
		M/han Kaufinat	Group Lead			Otherstaff		
		When Kev first	Group size	30		Supervision ratio		
		started teaching					R 1:5 Y1-3 1:	6 Y4-51:10
St Matthew's Catholic Primary School Outdoor Lea	arning Policy	us, I would ask him	IDENTIFYIN	IG				
"Through respect we will work together in Christ to develop the whole person	"	for help. Now I can	AND ASSESSING	RISK LEVEL		CONTROLS FOR M	ANAGING THE F	RISKS
This policy provides guidance to parents, children and all adults working within	the school setting.	do things on my own.	THE RISKS					
1. Purpose		Year 2 pupil 7			has been visited pro	eviously by the school ar	id has proven its sui	tability.
	· · · · · · · · · · · · · · · · · · ·		Site and	Low • Leade	has thorough know	ledge of venue.		
At St Matthew's, we recognise the important part that outdoor learning plays			environment	 First a 	d bag to be taken w	ith staff.		
their ability to learn and achieve. We believe that as a school and in collaborat we can work to educate our pupils with the knowledge and understanding of				Check	area for contaminar	nts and hazards in the ar	ea. Children will onl	y visit area with short
ownership in caring for the community and their surroundings plus develop						in be observed. Bring glo	1 S S S S S S S S S S S S S S S S S S S	nd plastic bags.
outdoors. By careful planning, we aim to provide our children with at least on				Childre	en and staffwear hig	gh visibility jackets during	g the trip	
				Childre	en wear suitable out	door clothing such as a v	warm, waterproof c	oat, scarves, hats and
Teachers would	stop the class			Key is real	ly good at exp	plaining the		
		Kev has really develo			behind his tea		Learning	at the
	ughout the session	understanding of not		mathada		are engaged in	-	nt in fun. We
	v level behaviour.							ts of time
outside. Kew models the pitfalls Over time, they		at first to let the kids	'go' but I		as helped me			ings in our
and risks beforehand and is model more. At		can really see the im				and how I will		
	ldren to know ho	w stepping back whilst	they are		ng it to help c			like digging
equipment safely to behave outdo	ors.	learning.			ore independ	dent when	up the s	
Year 1 teacher 4 Kevin. Curran (Earthworks)	Year 6 teac	her 7					for bugs. 6
				Year 3 tea	cher	5	Year 3 p	upil

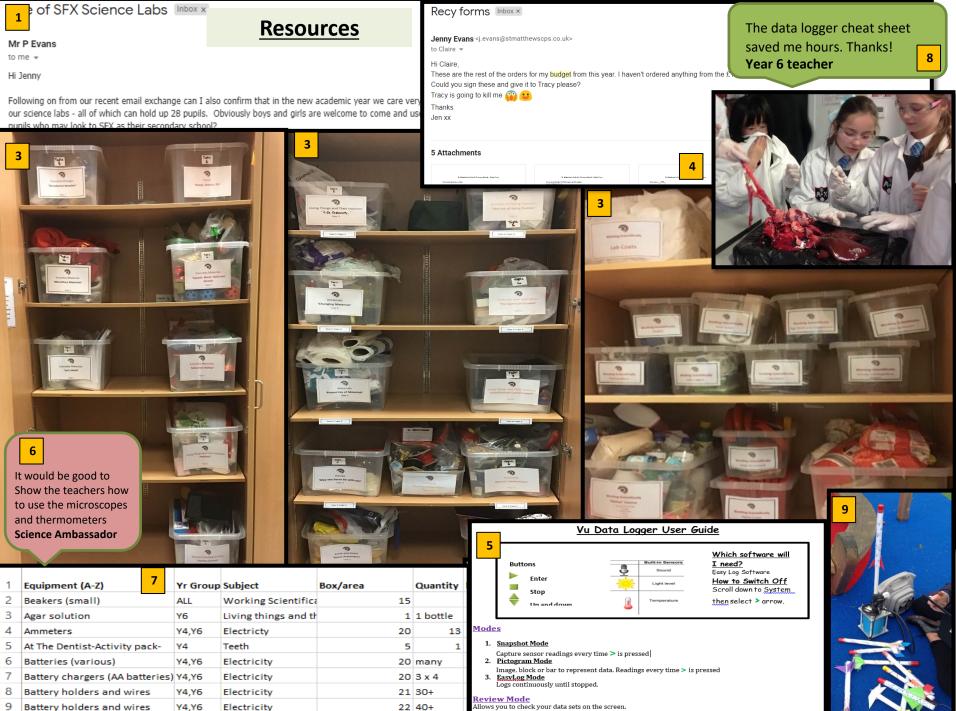


Continual Professional Development (1 of 1)



50% difference.

	_	~			wals	Info	behaviour		9	ET- Mission ement	Art update Global Week Info	EYFS update Environment checks	Conservation and Extinction Week	13.4.20	9 B All staff			
9	Staff Dew	elopment, Monitoring a	nd Curriculum		9	Science Week Info	Target setting		9			for science Review of SPP	Geography)		B All staff	meetings will take p	lace via Zoom until f	
DATE	Staff (Monday) 3.15-4.15	2019-20 Curriculum (Tuesday) 3.15-4.15	SLT ((Wednesday/Monday)	11.11.19	week	Parents week	Parental questionnaire	Other Faiths Week 1	3.1.20	Twilight- ICE CATS	D&T Standardisation	TA Appraisal planning Whole school book	Science Chester Zoo visit Global Week	20.4.20		Science Online CPD- Zoom	Subject leader meetings	Geography Week 1
2.9.19	INSET	545-445	School diary S	PA	Do online			Anti-bullying Week		2 rd half TAs Prevent	Geography Week Info and update	monitoring		27.4.20	Jigsaw update	RE CPD-Zoom	SPP and SED review	Geography Week 2
0.010	Mission Statement Ofsted Update	PE- Get Set 4 PE	SPP	_	questionnaire			Year 1 Science Messy Marning	0.1.20	Feedback from phonics environment checks	Wed 22 rd Subject Leaders network	Planning files						Rec Science Messy
	including Well Being	10 001001110		18.11.19	Maths Twilight	History	Lesson observations -	Science Week	7.1.20	Jigsaw update	Science Capital and	Environment		45.00		Constant of the		Morning
23.9.9	Geography Week info P4C Planning and assessment	Science 2019-2020			Marins Twingin	standardisation	maths skills within science lessons- J.		.2.20	Speaking and listening- Jack	Geography moderation	CW monitoring		4.5.20		Geography Online CPD-Zoom		
	Thinking skills	SPP feedback	•	25.11.19	Reading Moderation	Writing Moderation	Boyce, <u>J.Evans</u> Whole school data	Veen 2 Seienee	-	Maths 'check in'- Jason								
16.9.19	Speaking and	Healthy Schools-	Classroom environment		Phonics update Anna	writing moderation	Pupil voice	Year 2 Science Messy Morning	0.2.20	P4C update Mark	DåT Week Info	Review SPP/SED	Safer Internet	11.5.20			K51/2 SATs week	Science Week
	listening- Jack Maths 'check in'	Chris	monitoring		and Jayne		questionnaires		_		HALF TER		Day 11.2.20	18.5.20				
	including bar modelling-Jason			2 12 10	Science	Thursday 5th Dec	Subject leader	NEED Week		_		-		18.5.20	Speaking and	History	KS1 SATs week con't	D&I
	Marking and Behaviour policy				ans <j.evans@stm< td=""><td></td><td>></td><td></td><td>Co</td><td>ntin</td><td>ual P</td><td>rnfes</td><td>sinn</td><td>аlГ</td><td>)evelor</td><td>oment</td><td>(2 of 2)</td><td></td></j.evans@stm<>		>		Co	ntin	ual P	rnfes	sinn	аlГ)evelor	oment	(2 of 2)	
30.9.19	Code Studio-Michele Science week focus	Staff Twilight- Safeguarding	Appraisal planni	to teachers	s@stmatthewscps.	co.uk 🔻				///		10103	51011				2012]	
	and update			Hi all, Ploaco cov	a tha link balaw fro	m Oadon Truct fo	r your <mark>ssionse</mark> loor	ning tasks. The	, baya	ondloss links	to bigh qualit	tu wohoitoo Iti	ie brokon de	we into a	lifforont year aroun	too and includes lo	ots of great resource	e for EVES tool
7.10.19	(Wed 9 th Oct- 3.45 Ofsted training @	R.E Moderation	Rook manitaning		ely week and it wa	-	-	ning tasks. They	Ilave	enuless inns	to nigri quali	ty websites. It i	IS DIOKEIT UU		illerent year group:	s too and includes id	its of great resource	5 IUI ETF3 100!
	mma, Jack,	Alex 👻		Jen xxx⊡	<u>á</u> - <u>á</u> - <u>á</u> -	\$												
			3															
Hia	-					coronavirus-home	e-learning-resource	<u>is-hub</u>										
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					it is 07557986	2									CPD •	tigtag	Lond	on
Plea	ise don't th	ink that an	y question is	too sma	II, I am happy t	o help!											1	
Tha	nks										_							
Jen	Free	online	CPD for	nrim	ary scien	ce				1	Fre	ee online	e CPD	for p	rimary scie	ence		1
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	Peter Herro	on has invited	you to try Reach	Out CPD - 1	the new online scier	ice CPD resource fo	r UK primary school	teachers.			Jack (Chalmers has invi	ted you to try	Reach Ou	t CPD - the new online	science CPD resource f	or UK primary school te	achers.
											_							_
	Reach Out	CPD has beer	n developed by Im	nperial Colle	ege London, one of t	he worlds leading s	cience Emma Litt	le has invited	you t	to try <mark>Reac</mark> l	Out CPD -	the new on	line scien	ce CPD	resource for UK	primary school te	achers.	1
	science res	source.																
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J Chal	mers								en dev	eloped by	Imperial Co	ollege Londoi	n, one of t	the wor	ds leading scien	ce universities, a	nd Tigtag, the av	vard-winning
to me	r						science re	source.										
Hi Jen,							Hi, I've ju	st completed a	a unit	of online O	PD for prin	nary science	. It's really	/ useful	site - and free t	o browse. I thou	ght you might wa	int to take a
l'm fine	thanks, hop	e vou're doi	na well tool															
	thanno, nop		ing wen too:		Hi,													
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			een a big help.	The Seft	-		/ interactive but v		-				I really but	Science	too!). I ve beell le	any enjoying think	any of science las	to for the Dojos
you an	d other mem	pers of staff							J, U		,							
Thanks	for your hel	p,			I hope you an	d your family are	e safe and well!											
Jack					T 1													
_				_	Thanks,													
					Emma xx													



 to me, c.sime@stmatthewscps.co.uk 📼



Project ID: 20160796

Hello Jenny

We're going to fund your idea

Tim Jeeves @timjeeves · 1 Oct 2020

We're really happy to tell you we will be funding your project following your application for National Lottery Awards for All. And we want to give St Matthew's Community Support and Hub £10000 to help your community thrive

1

Community Project (1 of 2)

St Matthew's Windsor Gardens Wildflower Meadow

A pleasure to discuss plans to spruce up Windsor Gardens for the children of St Matthew's and local residents this morning. Look forward to supporting

33 Tweets

You Retweeted

things as they develop

Frank Vaudrey

to Catherine, Claire, me 📼

Jenny, just fantastic what you have done I'm sure a report to the next governors meeting will go down really well And wh

We wouldn't have had sports

day at Windsor Gardens because there was broken glass and dumped rubbish. Parents

would have complained. **Assistant Head Teacher**

Thanks Frank

Meeting to discuss wildflower project at St Matthew's CPS Inbox

Jenny Evans <j.evans@stmatthewscps.co.uk> to barry.kushner, tim.jeeves, Barry 👻

Good morning.

My name is Jen Evans and I am a teacher and Science Lead at St Matthew's Catholic Primary School in Walton. We have recently received confirmation that we will be involved in planting a wildflower/Community garden at Windsor Gardens, an area of grassland next to McDonalds on Queen's Drive

Ve have received confirmation of funding from the National Wildflower Trust through Liverpool City Council and the planting will be going ahead within the next month or two (date TBC).

Myself and Barry Walker, Green Spaces Development Officer from the Council would like to invite you to a meeting in April sometime to discuss this project further and your possible involvement. Would this be possible for you both to attend? We could be flexible with dates to suit you both?

We are extremely excited at the ide Kind regards len Evans

Hi Jen - we did discuss what you proposed and everyone really liked the sound of it. That mix of doing activity outside, education for the children and being able to link up with the broader community is brilliant and something we're really keen to support.



That being the case, we'd like to make a F5000 contribution to the Awards for All application that you're planning to make; our understanding is that the chances of success with the application will be increased if you have match funding.

Lovely bit of good news for half term. Today we have received confirmation of lottery bid Jen and I have been looking at for developing outside learning. They have awarded us £10.000 and with othe grants Jen has sourced we are able to move forward with our plans.

Our plans include the installation of an outside classroom on the Windsor Garden's - which will enable us to deliver lessons there year round and use the site for many other events including parents. parent and importantly the local community.

Please see the video below - for an idea of the exciting plans:

https://youtu.be/KaMI98HKuuA

have to say Jen has worked so hard on this for our children and deserves congratulating - well done J

am excited to see what happens in the future and how we can continue to develop outside learning

Claire x

[Message clipped] View entire message



WINDSOR GARDENS



3

Sun, 7 Feb, 12:33 (11 days ago)

Thu, 5 Mar 2020, 09:18



St Matthew's Windsor Gardens Wildflower Meadow @ . 1 Oct 2020

a huge difference. @LiverpoolParks @lpoolcouncil @timjeeves

Thank you so much for the meeting at Windsor Gardens today. Such a great

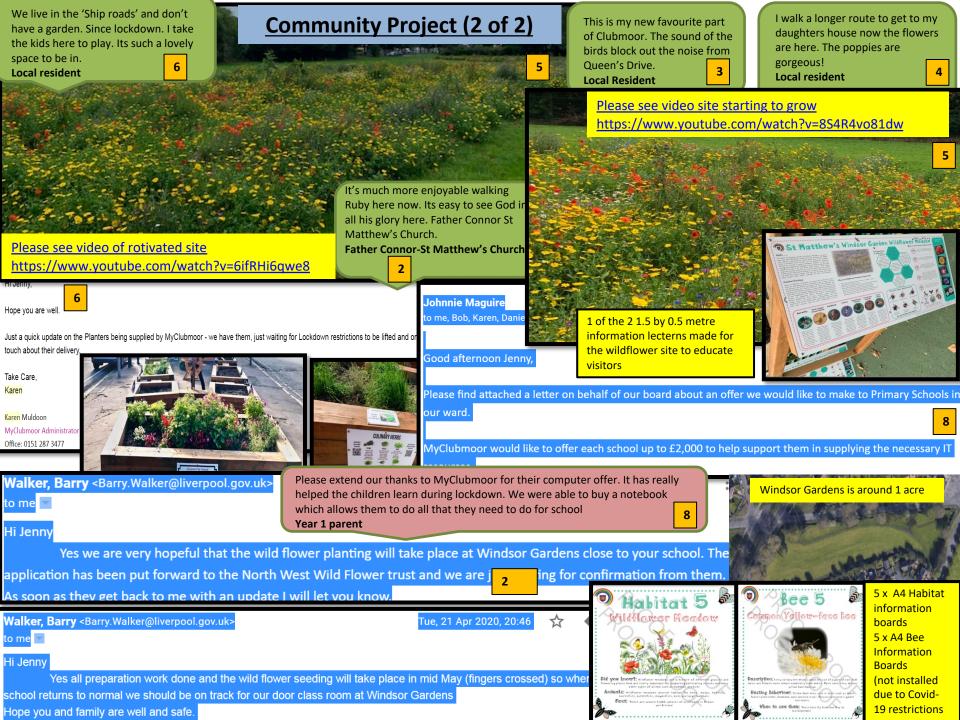
project with exciting prospects ahead. Clearance of the fly tipping has made

Please see You tube video of lottery funding plan https://www.youtube.com/watch?v=KgMI98HKuuA&f eature=youtu.be

Jeeves, Tim 6 to Roz, Sarah, Karl, me 🔻

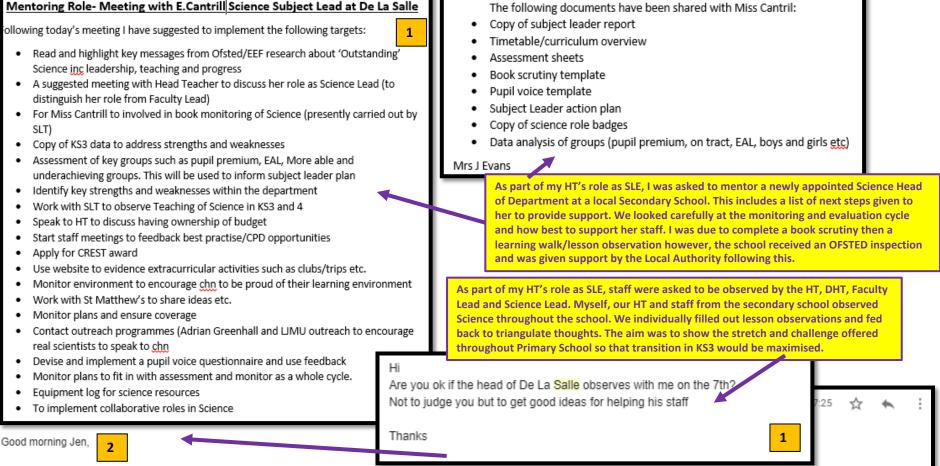












It was great to meet you earlier in the month - I don't know where this month has disappeared

Mentoring Role- Meeting with E.Cantrill Science Subject Lead at De La Salle

When we met, we talked about the Ogden Trust School Partnership Scheme; please see The Ogden Trust's Schools Partnership Webpages including details of how to apply, and a link to the online application process. We are currently accepting expressions of interest for new partnerships in 2020-21, with a closing date of 01 February 2020. I've spoken with our primary school programme manager who agrees with me that you already doing excellent work, and are would make a strong candidate.

May I introduce you to Michelle Yates, Ogden Trust Regional Representative (copied). Michele can advise you and support you with making an expression of interest application - please do speak with Michele if you're planning to apply.

Michele - may I introduce you to Jen Evans at St Matthew's Catholic Primary School, Liverpool. Jen is doing some amazing work there and is already working with other primary and secondary schools in the northern half of Liverpool.

Leaue			
ank you again so much for the plans you had made to come a	and speak with the Science department at SFX. We know what you planed to present to	An additional Seconda	
our Science department would have been invaluable to us in planning covered during Key Stage 2 to allow us to provide adequate stretch a	for next academic year. It is important as a department that we understand what is nd challenge.	two mentioned previo	usly, wanted me
Would it be possible for us to look at dates for the start I am curre	ently supporting a local Primary School Lead with planning,	to share the expectati Science. This was beca	ons at KS2 in
Peter to me *	nt and subject leadership. After visiting on-site, we looked at ways to ne staff with planning. As the partnership continues, we will address	to ensure stretch and especially for the high	attaining pupils.
Peter Evans Hi Jenny	as for development such a resources and assessment.	This has been postpor academic year because	
Dotor Evans	at home too but with trying to home school two little ones I'm finding I don't have much time f t term so I was in the middle of planning all science lessons for summer when this whole cra for next year as well		ing that I can get them
St Francis Xav The documents that you sent me especially the plans h Woolton Hill Ro that.	have been invaluable and I'm not sure how I would have been able to do the planning for the	whole school without them so	thank you so much for
Woolton Yes I would definitely like any extra documents that you Liverpool How are things with you? Has the new head settled in the settle		be much appreciated.	
to me + Hi	@ Mon, 24 Feb, 12:52		
	r head teacher Cathie. She mentioned that you are the science subject leader and th ng scientifically and recording in science. This is something i'm really keen on impro		ve
	how you lead science to see if there is anything I could be using in OLI.		
Andrew Rosser <rossera@townfield.wirral.sch.uk></rossera@townfield.wirral.sch.uk>	Fri, 16 Oct 2020, 16:	13 🟠 🛧	
to me 👻 Hi Jenny, 🚺		Ť	LIVERPOOL HOPE UNIVERSITY
	rs but it's not been too bad. Sounds like it's a lot worse in your school. you myself. We've have had the first block of our science teaching and it went really well. The kids ou and I just wanted to say thank you so much for all the resources, plans and help and support you l		Core, Foundation and partnership mentor Tuesday 17 th March 9 30am
Creating a scheme of work for the whole school was such a massive job and I ca Glad to hear that you have nearly completed your PQSM. Mine was supposed to	n't imagine how I could have done it if I hadn't had your support so thank you very much. o start after Easter but because of COVID it got delayed. I have my first Zoom session next week wh		Hope Sports Hall 107 Outcomes/Actions Responsibility
forward to. I'm sure after that I will be pestering you with lots of questions asking Tim Griffiths <griffit@hope.ac.uk></griffit@hope.ac.uk>		Introduction	Partnership communication and GM documents
to me	Tim Griffiths, Primary Science Curriculum Coordinator at Hope Univer asked if I could act as a 'critical friend' at A Hope Partnership Mentor	Meeting. BA QTS Training Plan	BA QTS Training plan Year Groups Subject teams work together to communicate University and School based
Hi Jen	I was unable to attend this meeting as I was called back into work as of staff shortages caused by Coronavirus.	BA TESUIT Subject specific BA QTS school based Training Plan	Subject teams work together to ALL communicate University and School
I suggest that we meet at the Education faculty help desk in the EDEN b	ouilding (8 on the attached map) at 9.00 am. The meeting isn't scheduled to start until 9.30		ALL
a coffee and wonder across to the Sports Hall.		Implications and next ste	25 ALL

I've attached an agenda for the day. Don't stress about the content as I'm not quite sure about the precise remit of the meeting. However it would be really useful to have a critical frie



MAITT School Direct Trainees

Jenny Evans – Science 1 & 2

Friday 22nd and Friday 29th November 2019

Friday 24th November - Science 1 & 2	Poor %	Satisfactory %	Good %	Outstanding %	
How would you rate the quality of the content of the session?				100%	
How would you rate the quality of the materials used?				100%	
How did the session compare to your expectations?				100%	

Verbatim Comments

Loads of fun! Very interesting, learned new ways to teach, encourage independent learning and open-endedness. Amazing planning tips! Thank you :)

Excellent examples and demonstrations plenty of opportunity to apply skills and approaches to teaching.

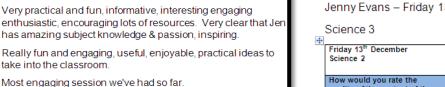
Very practically useful with planning. Engaging and refreshing approach to science. Step by step advice for making most of esson time. Brilliant session.

Brilliant session. It was all very applicable and changed the way I will look at planning science in the future. Look forward to next week.

Relevant and useful information. Focus on planning was very helpful, practical activities very engaging

Ryan Murray <ryanmurray@gmail.com> to me 🔻

Hi Jenny,



Sharing expertise beyond school community (1 of 2)

Great, engaging & useful session. Jenny pays great attention to our individual needs. The best session leaders have all done this

Really fun session. Very engaging. Very useful lots of resources which really helps! Jen personalised it for us too which is fab!

Great use of resources, practical method of limiting input will be applied. Engaging session.



Mon, 20 Jan 2020, 15:39 \$

I'm a trainee on the MAITT route. Thank you for all the help with the science activities and resources the other week, they've been so helpful. I was just wondering if it would be possible if you could send over the discovery dog worksheet? I've been trying to find it online and can't find it anywhere.





Trainee teachers were asked to reflect upon their experiences of science as children or what they have observed at school.



LIMU identified some topics that typically trainee teachers and teachers were least confident in. Two sessions were designed to address misconceptions, subject knowledge, planning and practical ways to challenge children in: forces, magnets, electricity and light. Impact- the students became more confidant in these areas and learnt practical ways to teach



MAITT School Direct Trainees

Jenny Evans - Friday 13th December'19

Friday 13th December				
Science 2	Poor %	Satisfactory %	Good %	Outstanding %
How would you rate the quality of the content of the session?				100%
How would you rate the quality of the materials used?				100%
How did the session compare to your expectations?				100%

Verbatim Comments

Such a good session with lots of really useful resources to help with planning/subject knowledge etc.

Fab resources and guidance for our individual classes. Really helpful – couldn't have offered enough. Thank you! Great session.

Great resources and knowledge. Everything was linked to what we need to deliver science in school. Thank you =)

Excellent guidance as to how to plan and deliver science lessons. Engaged all students. Thank you.

Lots of great information and planning resources. It was so helpful to have advice from a former MAITT trainee.

Extremely reassuring. Practical ideas and planning. Resources that will help m massively.

Amazing session Jenny, thank you for sharing your wealth and experience to help us with our practice. My favourite session so far and massively beneficial

Why am I here?

- Year 6 Teacher
- Studying for Senior Leadership Qualification (NPQSL)
- Currently mentor several local primary school leads an secondary science departments
- Mentor for MAITT students
- Science Coordinator for an 'Outstanding' Primary Scho
- Qualifications in Science (2 BSC graduate degrees **Biochemistry and another in Biomedical Science**)
- Worked as a Biomedical Scientist for 5 Years
- Transfusion and Haematology specialist
- Trained a secondary science teacher taught up to A Lev
- I was training at MAITT 5 years ago and hope to try and make it a little easier for you (if possible)



MAITT School Direct Trainees

Jenny Evans - Science 4

Friday 6th of December 2019

Friday 1 ^{er} December'17 - Science 3 & 4	Poor %	Satisfactory %	Good %	Outstanding %
How would you rate the quality of the content of the session?				100%
How would you rate the quality of the materials used?				100%
How did the session compare to your expectations?				100%

Verbatim Comments

The most useful session for one particular subject so far. Extremely helpful to our future lessons in a way that will tak pressure away from us regarding planning midterm scheme work.

Really useful session. Jenny is really thoughtful in her prep & her experience of the course is a real asset.

Another brilliant session: informative, helpful confidence booster. Planning was very helpful (thank you for the planning forms!)

Very useful tips for planning





Dear Jen

Thank you for your email - the work you are doing sounds amazing, and certainly resonates with the aims and work of the Trust. We have an Ogden programme manager, Paul Sapple, who is based near Liverpool and he would be interested in talking to you further to see whether there could be any opportunities for you and your school to become more involved with the work of the Trust. Applications are currently open for new school partnerships and this might be something worth exploring? Paul is on annual leave at the moment but he will be in touch when he is back at work next week.

th regards to Phiz e-news, we feature articles from the Ogden website which have a definite Ogden link - from an Ogden partnership; featuring Ogden resources; an outcome from Ogden training session, as examples. Currently (and unfortunately) I am not sure we would be able to feature an article on the work you are doing - but perhaps opportunities will areas in the forum a

Sharing expertise beyond school community (2 of 2)



Really great help with planning.

Really personalised the session again. Made sure that we were all happy with the plan for the day. Adapted it to make sure we were gaining the most out of the session. Really useful! Really enthusiastic! Lots of good advice, thank you.

Great informative, helpful, encouraging, great guidance and advice. Well structured- all relevant and useful.

Really, really useful! More confident about science.

Many great ideas and support for lesson plans to take away. Useful and engaging sessions.

Advice on planning very useful, for all lessons not just Science. Resources very helpful.

Jen has been fantastic. She really taken time to cater the sessions specifically to our needs and the skills we have developed in these past two weeks can also be transferred into other subjects.



MAITT School Direct Trainees

Jenny Evans - Friday 10th January'20

Science 5

÷					
	Friday 13 th December Science 2	Poor %	Satisfactory %	Good %	Outstanding %
	How would you rate the quality of the content of the session?				100%
	How would you rate the quality of the materials used?				100%
	How did the session compare to your expectations?				100%

Verbatim Comments

Beyond helpful really good resources and helped me with the upcoming science unit of work I have to plan. Learned a lot about considering misconceptions before experiments.

Fantastic! Really supportive, adapted the session to meet our emerging needs. AMAZING.

Outstanding session – Jenny is so helpful and supportive and had lots of great advice especially in terms of long term lesson planning for science.

Thanks for an amazing session for understanding children's misconceptions in science lessons. As well as all the resources to utilise within my lessons. Thanks Jenny ⁽²⁾.

Amazing! Literally clears everything up and makes teaching science actually

doable!	1	Roles						
S	Einstein Finley Jack Mc Chidu Patryk	Pasteur Evarose Joel James Jack Burns	Watson and Crick David Ruby Luca George D	Tesla Sienna Evelina Damilare Thomas				
	Darwin Caiden Grace Callum L	<u>Edison</u> Georgia Kaiden Kevin	Newton Anthony Callum Mc Holly Oliver C	Galileo Emmy C Demilola Harvey George S				
	Lesson 1 R =Lab Technician P= Lead Scientist G=Experimenter O= Co Experimenter	Lesson 2 R =Experimentor P= Co Experimenter G=Lab Technician O= Lead Scientist	Lesson 3 R =Co Experiment P= Experimente G=Lead Scientis O= Lab Technicia	nter R =Lead or P= Lab T t G=Co Ex	J Scientist Technician Operimente rimenter			

