Subject Area: Science

To share good practice

the teaching, learning and

To promote x curricula

To maintain and increase

science related visits and

Objective

Ref

SCIENCE SUBJECT LEADERSHIP

Resources

/ Costs

covering

Pupil voice

Time in staf

The school Science SDP is reviewed and updated yearly in consultation with the SLT and **Governing Body**

To maintain and continue to raise standards of science teaching and learning.

Lead

AI & GD

All staff

AL & GD &

AI & AII

AL & GD

Success Criteria

Share ideas for

Maintain high

eaching and

More practical

demonstration

Clear learning

objectives Les

writing up of whole

Complete coverage

hance learning.

science applied.

Relate science to

of science

urriculum

investigations. Evidence of good

quality science

standards of

learning.

taught.

teaching science.

To forge further links with other schools and the wider community

Action

Observation of science

AL team planning 8

Re-share list of place:

ncourage visits and

teaching.

To maintain pupils' enthusiasm for learning science

lessons.

Pupil voice

I have actually enjoyed aspects of teaching science online – I've enjoyed the clarity of what I should be teaching this year. Thanks for being so organised yet not overloading the team! - Clare Bailey , Class Teacher

Objective Coordinators

Specific Monitoring

Dated

Spring term

Science & Computing

Annette Little / Glenn Denney/ Wendie Ray

Evaluation

teaching science and feedback to

CPD for teachers throughout the

Evidence in books of shifting away

Starters and good practice shared

at staff meetings across the year

Training completed in staff meeti

Year 4 Natural History Museum ar

Hudnall Park (rocks and soils)

happened, as did Year 5 Nationa

Space Centre. We had visitors for Science & Computing week

Links with maths, English, Art,

with CJ

working groups.

from writing up whole inve

GD & AL observed all year

Did not happen - COVID

I feel confident to teac Science is a difficult subject to teach I feel confident when scientifically I would like more scientifically assess working scientifically practical I use a range of when teaching science I feel well-resourced when teaching science enjoy teaching science I feel supported when teaching science outside of the Parents have engaged with science Magnet practicals that we were able to teach online to Science High light of Hopes for science and expenence. More opportunity for child-led going forward inestigations to build are and wonder Any other comment

I have been really impressed with the

development of the teaching of science

this year, particularly during lockdown

- Steve Mills, Head Teacher

ce Staff Survey

I think the mapping of science (on our INSET day) was extremely useful. It was great to see how the different topics linked as they came up in different years - e.g. forces in year 3 and year 5. It is useful to check we aren't overlapping our teaching and are actually continuing from their knowledge gained in a previous year. It was also lovely to work collaboratively on it.

- Ellie McGurk, Class Teacher

Over the last two years, subject leads rearticulating our school curriculum. A constructed to ensure horizontal as well as vertical rigour. As part of this Ofsted Inspector to show how we are connecting different aspects of our subjects will lead to a far greater understanding. The whole day was a huge success (including the coaching sessions on Ofsted Deep Dives) with our HIP reporting that subject leads across our school 'got it' and truly understood their curricula.

- Steve Mills, Head Teacher

The range of Explorify, TigTag – are supportive and have a Anna Beresford, Deputy Head

Found it so interesting to see the subject mapped into areas across the year groups (and also list extra opps. for topics)really gave us an insight into where we had a few areas covered too much or too little. Gave each year group much more of a focus where the children were coming from when covering a specific lesson objective too - helps you move at a good pace in a lesson if you know in more detail what the children have covered in previous years/lessons.

- Sarah Small, Teacher



| r3 | | | |
|---------------------------------|--|--|---|
| Science Topics | Key Investigations | Working Scientifically Skills Covered | Links to topic / Cross curricular with maths and English |
| ing Things d Their bitats | Minibeasts classification. Investigating behaviour of a living thing (choice chambers and mazes for woodlice). | 1, 7, 8 | Maths - problem solving. D&T - designing woodlice mazes. Wymondley Woods Walk |
| imals luding lumans | Food chains. Becoming personal trainers (over a number of weeks). Diet and nutrition (eat well plate). Do some people have stronger muscles because they use them more? | 1, 7, 8 1, 2, 4, 6, 7, 8 1, 4, 5, 8 1, 3, 4, 6, 7, 8 | Maths - data, drawing of results. English - reading opportunities of client profiles. PE D & T - making a skeleton |
| | How things move on different surfaces (material ramps). at materials are magnetic and non-magnetic? How do magnets react to each other? Magnetic field (magnets and | 1, 2, 3, 4, 6, 7. 8 1, 4, 7, 8 1, 2, 4, 7, 8 1, 2, 4, 8 | Maths - recording results, problem solving. D & T - designing a magnetic-based toy or garne. |

It is imperative that we maintain the school's approach of delivering a broad and balanced curriculum. With much talk about 'catch up' at present it would be very easy for schools to become even more narrow than before. focusing entirely on maths and English. Fortunately, at Whitehill, this has never been the case and therefore science will continue to be prioritised across the school and most certainly on our SDP as we plan for a full year from September 2021 and a chance to deliver our rearticulated curriculum.

- Steve Mills. Head Teacher

June 2021



SCIENCE SUBJECT LEADERSHIP

Science clearly generates a huge amount of engagement amongst the pupils.



GOVERNOR VISIT RECORD

Governor's Name: Wendie Ray

Date of Visit: Wednesday 9 December 2020

Focus of Visit: Science Link Pupil Voice - to support PSQM submissio

n support of the Primary Science Quality Mark submission, it was agreed that I would carry out a Pubil

Classes Visited: Yr3, Yr4, Yr5 & Yr6.

Given the nature of the restrictions in place currently (Covid pandemic restricts mixing to within year group bubbles only, with cross-bubbling (me/Glenn) to be avoided), 4 representatives from each of the four year groups (two from each class) were assembled, cohort by cohort, to meet in the studio classroom. Tables/chairs/surfaces were sanitised between each cohort, and Glenn and I sat over 1m apart from the children.

Sources of Information: e.a. Headteacher, class teacher, display work, children's books, pupil voice, looking at resources

The pupils in small groups of 4, each year separately, with 2 children from each class; in discussion for

My goal was to find out what role science played in their learning at Whitehill. More specifically, which science topics they remembered covering this year and prior, which they enjoyed the most and why; the role of the practical experiments within the topics, which they enjoyed and why; the development of science across the curriculum, for example how was science in year 6 different from in year 3; the cross-curricular links between science and other subjects; if/how the teaching of science differs from other subjects; and how the skills they develop differs. Ultimately, what makes cience fun and interesting at Whitehill; and what makes a great science lesson

Whilst Glenn Denney was present during the full pupil voice, I led the discussion throughout and don't believe that the pupils were unduly influenced by his presence. I didn't perceive any censoring omments in the pupils' responses.

he flow of the discussion followed the following questions

- · What do you like about science? Why? Any dislikes? Which topics have you enjoyed? Why? Any dislikes?
- Which practicals have you enjoyed? Why?
- Is learning in science lessons different from other lessons? How?
- Is learning in science lessons officient from other lessons? How?
 Does the stuff you learn in science help you understand other subjects? Visa versa?
 How has this year's learning built on last's? (Acknowledging that in-school teaching ended in March)
- What makes a great science lesson?
 What do you think makes a great scientist:

General Comments:

All the children included within the Pupil Voice were polite, responsive, helpful, happy and eager to talk They were polite both to me, and importantly to each other – waiting for others to finish and happy to agree and build on their thoughts or disagree/add a different one. Going out of their way to support a couple of members of the group who were less eager to talk. Despite it being the afternoon of the Christmas lunch, with Christmas, Santa and end of term drawing tantalizingly close - all children were engaged and very up for the discussion

Science is a very enjoyable and well liked subject at Whitehill.

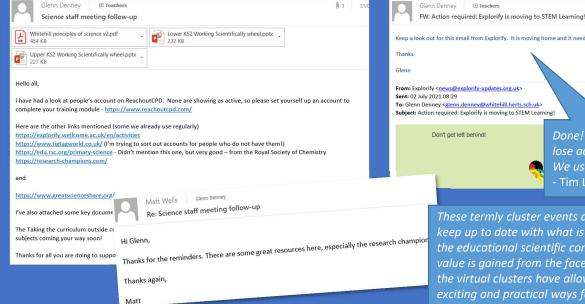
Vitally, science is a subject which teaches them it is ok to be wrong, and to learn from it. To not be afraid of having a go and (maybe) getting it wrong.

Some common the years are the sense of ownership and responsibility in their own learning that science gives them.

There was and enthusiasm shown for topics that they felt had a relevance to their world

was a lack of perceived that you constantly learn new stuff in science and less of a sense of straight repetition (you practise the same calculations in maths, but you never repeat the same experiment in science).





The cluster meetings are encouraging as we have already implemented many of the ideas being presented. This allows me to share my experiences and encourage other teachers to try the same things.

- Glenn Denney, Science Lead



Primary Science Curriculum Conference 2019

Charlotte Jackson Charlotte.Jackson@hertsforlearning.co.uk







Explorify blog

I left the HFL Science Conference buzzina with ideas. It is areat to see things that we already do here, being talked about so enthusiastically. Some super guest speakers, full of inspiration.

- Glenn Denney, Science Lead



These termly cluster events are a valuable way to keep up to date with what is happening within the educational scientific community. More value is gained from the face to face clusters, but the virtual clusters have allowed us to share exciting and practical ways for teaching science during lockdown

Glenn Denney, Science Lead



⊞ Teachers

Thu 14/01/2021 17:08 Glenn Denney

lesson resources Teachers: Steve Mills - Whitehill Junior School

https://www.ase.org.uk/ase-coronavirushub-primary-remote-learning-resources

This site provides some good resources for remote science lessons. They are geared up for parents to follow, but they can be adapted for use in school and then the parents can follow them afterwards.

There are two units per year group. If there are some that match what our medium term plans say for science, feel free to use them.

Glenn

These are really good. I adapted them and will use them again for Year 6 Bailey, Class

June 2021

SCIENCE SUBJECT LEADERSHIP

Herts for Learning

Charlotte Jackson < Charlotte. Jackson@ science meeting presentation

developing enquiry and working scientifically skills.pdf

Hi Glenn and Annette

I am sorry I didn't send the presentation before now

It was a pleasure to work with you both and the staff last week. As a school you really are very welcoming and I genuinely really enjoyed the meeting so please do thank all the staff. If you have any feedback at all it is always welcome.

I will be in touch to confirm details of the first part of PSQM training next

Have a good weekend.

Kind regards

Charlotte Jackson Teaching and Learning Adviser- Science

Science enquiry and developing working scientifically skills

Charlotte.Jackson@hertsforlearning.co.uk Teaching and learning adviser for science



Having Charlotte in to refresh our understanding of assessment and working scientifically really helped understand what I need to do with my class. She showed us lots of fun practical ideas that can help us assess scientific understandina - Sarah Small, teacher



The CPD sessions were really useful - a helpful refresher of assessment opportunities and tools, and progression in skills. Particularly for Working Scientifically, especially to gain an overview of KS2 in context between KS1 and 3. Short modules and reflection tasks were ideal to fit in around work/life too.

K N Sort by Score ▼

- Heidi Burniston, teacher



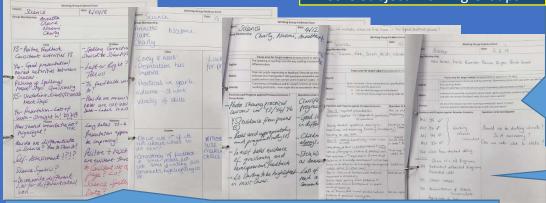
Using LBQ at the end of each unit of science gives us a great view of where the children are.

Class Teacher

to follow. I completed one and then just had to do another one. I'm going to recommend them to the other teachers. We should have a staff meeting where we do these and then share our learning.

- Sarah Small, teacher

Core Subject Working Groups



working groups give ownership back to the teachers. By placing evidence (usually examples of children's work) before groups of peers and having carefully chosen questions for reflection, teachers are more actively involved in the business of whole school improvement. Working groups have helped drive improvements in the teaching and learning of scientific enquiry skills as well as deepening understanding of progression in science. Teachers have been positive about this process and report that it has helped them to build a deeper view of learning (both horizontal and vertical science content). Governors, who have been involved in some working groups, felt it gave them a better insight into the school and were impressed by the honesty and quality of reflection shown by teachers. Our school improvement partner, who is a lead Ofsted inspector, commented that this model was an important driver in raising the quality of teaching at Whitehill.

Working groups are a powerful vehicle for bottom-up school improvement. In contrast to directive models,

- Anna Beresford, Deputy Head

Working groups are a non-threatening way of looking at books with your peers. It allows us to critically analyse our books and improve our practise. Glenn Denney, Science Lead

As this is an ongoing process, we are able to apply any changes and see them having either a positive (or negative) impact on the children's work. We can then make any required changes or leave the original Whitehill Junior School – PSQM Gilt | change in place. - Theresa Bryan, Class Teacher

I enjoyed being involved with this process. I only usually get to see what happens in my own class. It was interesting to see what science other classes and year groups do. - Naomi Creese, Class TA

June 2021



SCIENCE SUBJECT LEADERSHIP - DISPLAYS



Lockdown Science Displays

The science displays
were amazing to look
at. They reflected the
wealth of science work
carried out within the
school. I'm proud to
have my daughters at

It has been amazing to see the science done at home being showcased throughout the

- Antonia McConnell-Smith,

Assistant Head

Displays

Debbie Wells, Parent Governor.

Class
Science

Displays show related to the current area of study and they include our principles of science and the areas of scientific enquiry.

to show visitors around our school – The science displays were outstanding and they were a real conversation piece.

am always extremely proud

SYSTEM

Steve Mills, Head Teacher.

Science displays oding and they conversation

Science themed Displays in the main school corridors









BIG BIRDWATCH

June 2021

-5

SCIENCE TEACHING

Every morning, we start the day by watching Newsround. I like the science bits. They are fun to talk about. - Ethan, Year 4

So much to share from this Curriculum Outdoors course. I cannot wait to share it with the whole school in the new school year!

- Glenn Denney, Science Lead

This is my go to book for any advice. It is so helpful and clear Sophie Davies, Class Teacher



CLEAPPS risk assessments and safety sheets are located with the science resources

10/11/2

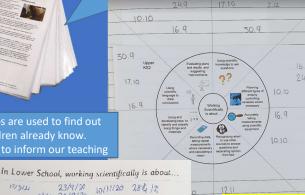
17/3/21

23/3/21

24/3/21

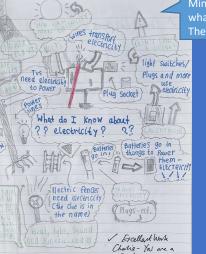
15/10/20 10/1/20 28/4/2)

3019/70 23/3/21



Caught enjoying a book about different and inspiring

Inspired by National Geographic Kids – "Do I look like this snowy owl?" – Eme, Year 4 Copies are available in the school library



Are there any regative impacts of using electricity? The regatives are that their

eventually run out of battery is they use electricity. It

A selection of activities from the

outdoors course at Hudnall Park.

> Mind maps are used to find out what children already know. They help to inform our teaching

> > 9/12/20

14/4/21

17/3/21 23/3/2

28/4/2

9/12/20

Lower School

23/4726 10/11/20 10/11/20 20/19/20 23/3/21 24/3/21 13/11/20 24/3/21 12/5/2/

Scientific Enquiry

These wheels help children track their use of enquiry skills across the

Upper School

A selection of sciences books and magazines on display in a class

Oxford

SCIENCE

June 2021



SCIENCE TEACHING - OUTDOOR LEARNING

In the first lockdown, the keyworker children planted over 200 sapling trees around the school site – They took a lot of watering.



school that we are continuing to last three years and those still to be completed are enhancing our outdoor learning facilities.

- Anna Beresford, Deputy Head

Our grounds are an asset to the

Our 'wild' area





I cannot wait for this area to be complete. It will make taking lour learning outside so much more convenient. The children will love it and so will we!

- Matt Wells, Class Teacher

This area is being redeveloped into an outdoor science classroom – The area behind the wall is being gravelled over and picnic style tables will be placed on it. A whiteboard is going on the opposite wall. It is located



June 2021

Our top 'planters' revisit some of their trees.

wniteniii Junior School – PSQM Gilt

Our fenced off 'meadow area' is starting to develop. We keep adding bits of wood to the log pile and we have planted some wild

This is an ongoing project.

SCIENCE TEACHING & LEARNING

Year 5 - Modelling the orbits of the Earth, Moon and Sun

SUH SUN

The state of the s

I am really proud of my sunflower work – Thomas, Year 3

Why does food need to be broken down?
What are the nutrients the body needs? (Link with Yr3).

Why is the longer organ called the small intestine

TIG TAG - FOOD'S INCREDIBLE JOURNEY. TIGTAG - THE INTESTINES

LO: Can I explain how the moon and the Earth orbit and rotate around the sun?

LO: Can I explain why we have day and night?

Monday 16th November 2020

What did we discover about the Earth and moon's orbit?



How do you think this explains day and night?

https://www.tiqtaqworld.co.uk/film/night-and-day-

This is what I thought the digestive system looked like. I now know what it looks like in more detail - Sarah, Year 4

LO: Can I explain how the moon and the Earth orbit and rotate around the sun?

LO: Can I explain why we have day and night?

WRITE YOUR NAME ONTO THE BACK OF YOUR SUN!



Once you have finished, you will need a paperclip to clip this onto your page in your science book

0

I enjoyed showina the class how to make their models - Bailey Year 4

This is our entire model of the digestive system. It was cool! -Leroy, Year 4

Mouth Ossophagus diagram did not look like Pancreas Liver this. This is large intestine Stomach much better. Monday 23 November - Eme, Year 4 TEACHER'S ORVILLE CLASS

My first

Observing **Over Time**

computer to show how big my sunflower is Year 3

Connect Year 4 Where Does All That Food Go Lesson 8 & 9.

organs in which food is broken down? Can I describe the difference between a chemical and mechanical process for breaking wn food?

Can I identify the

Lesson | Learning Objective

Can I show where

the digestive system

is? Can I label the digestive system

Can I represent the parts o the digestive system in a model? Can I use this model

to explain the role of each of the parts of the digestive system?

DEMONSTRATE MODEL OF DIGESTIVE SYSTEM.

Give each child an outline of the body. Ask them to draw and label the digesti

What is happening in the photo? Who is what?

This helped me to understand the

orbits of the Earth, Moon and Sun

- Eddie, Year 5

Enquiry

information

recording

Year 4 - Modelling the digestive system

Place biscuit in a bowl add banana using scissors (for teeth). Mix with hands to form a ball (mouth and tongue) add water (saliva). Use funnel and tube for oesophagus – spoon in food and push through to plastic bag (stomach). Add water or lemon juice as acid, cut open and place in a stocking (intestines). Use both hands to move food along. Add food colouring - bile. Push food into a

Whilst conducting the demonstration ensure labelling parts of the digestive system. Discuss mechanical and chemical actions.

Each group to make their own model.

In which parts of the digestive system is food broken down by a mechanical/chemical process? Where are the nutrients and water ref from the food to be used in the rest of the body?

We made poo! It was disgusting!



This did the same as we did out on the playground Olivia, Year 5 Monday 16th November 2020

Lo-Can I explaintows whom we how

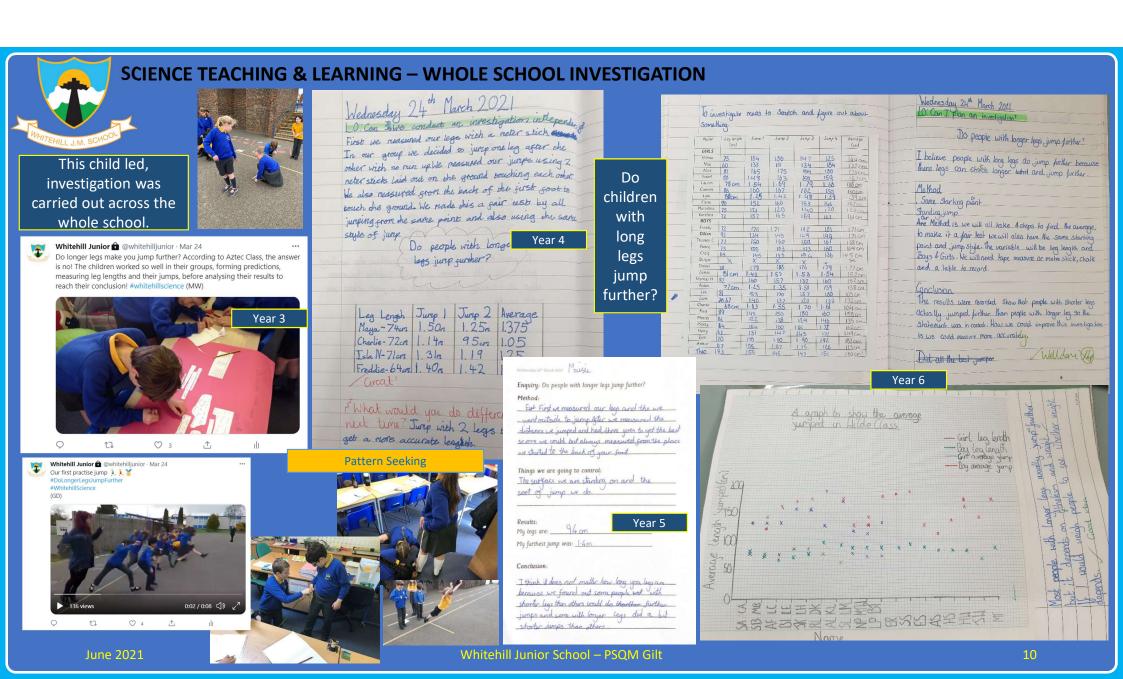
the moon and Earth or bit around

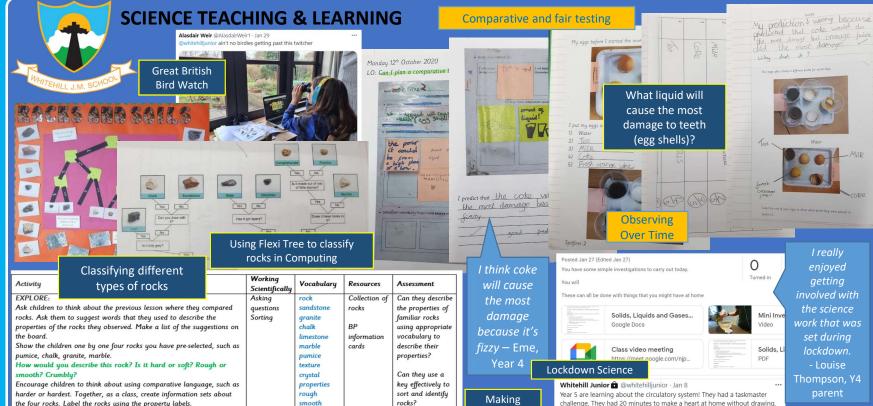
LO: Can I explain how the moon and the Earth orbit and rotate around

Let's go outside and see

what we can learn about the Farth and Moon's

LO: Can I explain why we have day and night?





Year 5 are learning about the circulatory system! They had a taskmaster challenge. They had 20 minutes to make a heart at home without drawing, painting or using any 'normal' art supplies! We have been incredibly impressed with the outcome! They used sweets, socks, Lego, and more

Circulatory System

involved with the science work that was set during lockdown. Thompson, Y4

provided for our pupils during lockdown was amazing! We wanted it to have value and we wanted it to continue seamlessly from the work the pupils had been doing in the Autumn Term in school. To that end, we made arrangements for the pupils exercise books, including science books to go home. This meant arranging for collection or in some cases delivering them ourselves. By the pupils working in their school exercise books, we felt it would give more value and credibility to the work the pupils were being asked to do. The pupils invested time in completing the work and the teachers spent time responding and feeding back. From the Headteacher's perspective, it was Head Teacher

The teaching and therefore learning we



We usually have an where we get to go and watch other staff teach. We have not had that this year, but I found it extremely helpful watching Mr Denney teach science in our year group bubble. It gave me lots of ideas to use in my own class. - Sophie Davies, Class Teacher

My university course did not prepare me for teaching science. Watching Mr Denney teaching science and the opportunity to team teach with him really helped me develop my understand of science

- Alejandra Zullo, Student

11

No - chalk

No - granite

Pumice: rough, light, soft, full of holes

Marble: smooth, heavy, hard, all white

Chalk: rough, light, soft, all white

Granite: smooth, heavy, hard, visible crystals

Children (acting as Rock Detectives) come up with similar questions to use to sort out their collections of rocks. Increase challenge by sorting more rocks plus children can develop their own questions for their key rather than use ready supplied questions.

June 2021

Encourage them to think of 'yes/no' questions that they could ask to

sort the rocks, such as 'is it hard?', 'is it rough?', 'is it white?'

Is it hard? Yes - granite, marble Is it white? Yes - marble

No - pumice, chalk Does it have holes? Yes - pumice

Demonstrate how to create a branching key to help identification.

Grouping Classifying hard

texture

Identifying, classifying

& grouping

Whitehill Junior School - PSQM Gilt

honeycomb

at home -

Year 5

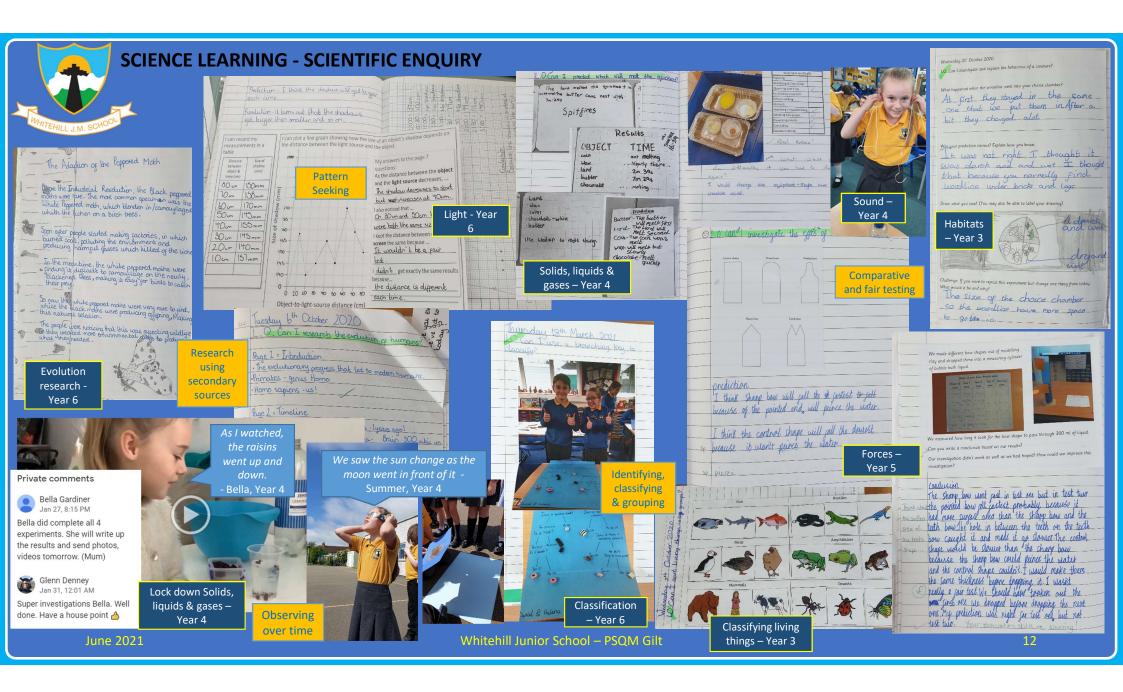
Can they identify

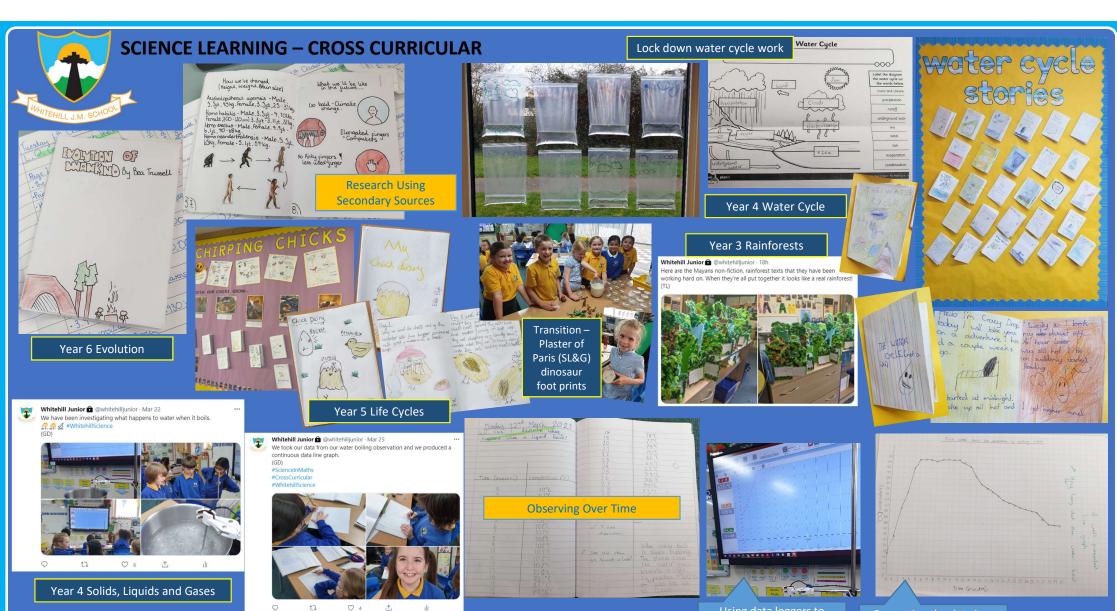
effective questions

that they can use

to sort rocks

using a key?





June 2021

Whitehill Junior School – PSQM Gilt

Using data loggers to collect continuous data

Presenting the data in a line graph in maths

13







Space week and the sleep

beyond what the Science

pupils chance to find our

more about their own

Charley Cornell – Class

Junk Modelling

over helps us to cover

National Curriculum

states and gives the

First up for the pupils were a couple of (virtual) talks. Dr Miley (Mr Miley's older brother) has been part of many previous space evenings but on this occasion, he delivered the talk from his new place of work; the Alma Observatory in Chile! Closer to home, Brianna Smart delivered her talk from the University of Hertfordshire. Both explored different aspects of our solar system and beyond and both were engaging and inspiring.

Dr Miley 'zooming in' from Chile

Constellation viewers

An extract from Mr Mills's weekly blog

Year 5 – Space Sleep over/Evening

I always enjoy the opportunity to share my passion for astronomy with the Whitehill Children. The Space Sleepover is a great platform for this. One year, we will have clear

- Andrew Jackson, Hitchin Girls' School Science

Teacher

It is an absolute pleasure to join Whitehill Junior School for their annual space night full of activities and stargazing. Every year the children from Year 5 come armed with excellent questions about space, many of which I am still thinking about when I return to work. The energy and enthusiasm from the teachers is inspiring and infectious, the children are very lucky to have such a great opportunity to explore space and all its mysteries in such a fun environment.

Dr James Miley - ALMA Fellow and Project Research Staff at the Atacama Large Millimetre/Sub-millimetre Array



Star Gazing

Space themed board games

Pupils gain so much extra knowledge from going to the Space Centre which they bring back and are able to use and refer to in our Space lessons.

Charley Cornell – Class Teacher





We flew through

The ice didn't



Mad Mark Science Workshops



It's a really enjoyable project to be part of - especially the questions and interaction afterwards! - Keith Warren

FTF Worldwide Event Management (Fireworks)

The workshops, organised by Mr Denney, ran smoothly throughout the day and in every class the children were polite, inquisitive and asked thoughtful and challenging questions, which clearly demonstrated their prior scientific knowledge. The children showed not only an interest and understanding of the importance of bees in the environment, but also the impact that the decline of bees may have.

It was a pleasure to work with the children and staff at Whitehill - Tim Walton



Science Dome

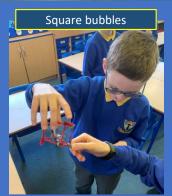
Baked Alaska - Insulation



June 2021







Whitehill Junior School - PSQM Gilt



17



We used different sieves to filter the bits of rock into different sizes – Mya, Year 4

WIDER OPPORTUNITIES – TRIPS & VISITS

different

soils to

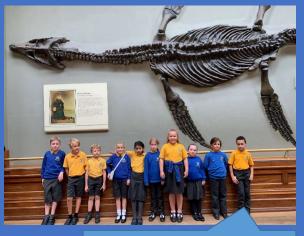
Year 4



We searched the woods to play Bug Bingo – Maisie, Year We looked at lots of different skulls and teeth – Elsa, Year 4



Year 4 – Natural History Museum – Dinosaurs, fossils and teeth



I saw Mary Anning's fossils – Maxime, Year 4



Year 4 – Hudnall Park – Rocks & Soils



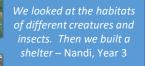
Year 3 Shepreth Wildlife Park - Habitats



We went to Shepreth Wildlife Park and adopted a red panda - Kodie, Year 3



Year 4 – Life Long Ago and Dinosaur workshop

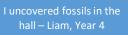


Year 3 – Wymondley Woods - Habitats



We held different insects – Ronnie, Year 3

Whitehill Junior School – PSQM Gilt



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June 2021

WIDER OPPORTUNITIES – CLUBS & EVENTS

RAF Day

At flying club we learnt all about different forces and how they make things fly – I want to be a pilot when I grow up - Felix, Year 6

The RAF came and told us all about what they do. So much was really interesting. - Dillon, Year 6



Flying Club

The hot air balloon reached the top of the hall. I couldn't believe it! – Lilly, Year 6



0



We saw the rings of Saturn – Samira, Year 4















June 2021

WIDER OPPORTUNITIES - TRANSITION

I was lucky enough to be able to come in and lead sessions on electricity for Year 6 as well as a heart dissection for Year 5. It was a wonderful experience and showed how important it was to carry out scientific experiments at a young age: to increase science capital, give students a 'wow' moment and to give students the chance to use equipment that they normally would not have access to. Working with Whitehill has helped massively for all parties. Students have gotten the chance to use secondary level equipment that allows them to do so much more, parents have gained children's excited anecdotes from their school day, and I, myself, have developed an idea on the fantastic work that already goes on in our feeder schools as well as how that can better feed into our science curriculum at Hitchin Girls' School.

- Alex Goldring, Hitchin Girls' School Science Department

It certainly was a hair-raising experience. The workshop was hand-on and engaging. It explored Science at a high level and the pitch of the session was challenging yet accessible. The kit that they brought gave the session a WOW factor- the children all had the chance to touch the static ball and watch how the electricity affected their bodies and their hair. It was an inspiring afternoon....

- Clare Bailey, Class Teacher

The girls enjoyed meeting a teacher who they would also have in a couple of years when they move onto secondary school.

It was great to have a specialist teacher come in and teach the Year with more depth to his knowledge. He could answer questions that I couldn't!
-Charley Cornell Class Teacher

Pupils were pushed out of their comfort zone, but all took away new knowledge and absolutely loved the

to life!

experience and made the topic come

Seeing, and being able to touch, a real-life heart was an amazing

I have had the pleasure of working with Whitehill School on a number of occasions including spending the day assisting with the Potions session at the Harry Potter themed day. This provided a fantastic opportunity to demonstrate to pupils that Science is both interesting and fun. As a secondary school we are able to provide equipment and reagents not readily available to primary schools. Our collaboration provides the opportunity for pupils to learn how to use and care for this apparatus as well as the importance of safety and the use of PPE. The interaction between the schools help pupils settle in quickly after transition as the pupils see familiar faces having previously met teachers and technicians from the department. I have personally received a lot of positive feedback from parents whose children have come home excited and enthusiastic after our sessions.

At Hitchin Girls School we have seen that Whitehill pupils join us in year 7 already showing a passion for Science. Our lower school extra-curricular Science clubs have many ex-Whitehill pupils who are keen to learn more and are happy to spend their free time investigating and experimenting. They ask meaningful and relevant questions. At our annual Science fairs, Whitehill entries have always been of high quality and well received. I personally find it very rewarding and satisfying to be involved with the nurturing of scientific talent from an early age and to see the delight and enjoyment on the faces of the children as they learn whilst having fun. I am looking forward to our next collaboration.

Anna Wilson, School Science Technician, Hitchin Girls School



My hair stood on end – Lucy, Year 6



I enjoyed making different circuits – Izzy, Year 6

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