

ROCKET SCIENCE: MISSION TO THE MOON

Essentials for Learning (E4L)

In our second half term we will be encouraging the children to have **RESOURCEFULNESS**. We will be thinking about how to ask effective questions, finding help from a range of sources, including ASK3 B4ME, using our initiative and trying different approaches to our learning situations. I will be encouraging the children to be self motivated and see a challenge through right to the end!

- I can learn from many different sources
- I can discuss what I think based on what I've learnt, giving reasons.
- I can get the things I need to learn independently.

English:

In Literacy we will be focusing on recounts in the form of a newspaper report about the Moon Landings in 1969 and also information texts about SPACE, but particularly space travel and rockets. We are honing our writing skills and learning when to change to a new paragraph by using time adverbials to sequence events.

Mathematics:

In maths we will be continuing to practise adding and subtracting, including carrying and introducing the concept of borrowing when subtracting. We will continue to have our TIMES TABLE TUESDAY where the children are working on table challenges from our times table club. We will be designing, costing and measuring a new LUNAR SPACE STATION and learning about volume by making MOON SHAKES to link with space food.

History, Geography and Citizenship:

Our theme this half term is science based, however I have linked our learning to the moon as well. We will be learning about the moon landings: reading and researching about Neil Armstrong, Buzz Aldrin and Michael Collins. The children will also explore the different parts of the moon and look at moon maps.

Science:

The main focus of this theme is science and we will really be exploring testing, including fair testing. The class will be making water rockets, lunar lava lamps and popping rockets - all of which will have some kind of reaction taking place to cause them to move. We will also make moon sand and explore what happens when we mix some liquids and solids together. I know the children will find this all very exciting!

PE:

We are learning about tag rugby and badminton with the MSR coaches and encouraging the good sportsmanship and working together as a team.

Swimming will be every Friday.

PE is on a Wednesday and football with Ben Qualtrough will continue on a Monday morning.

ICT:

In ICT, we will be teaching the children about saving their work to the cloud and using shortcuts on the keyboard. The children are becoming extremely accomplished at using the iPads and iMacs. Next step is to get their typing up to speed. They can practise on a great free online touch typing program called <http://www.doorwayonline.org.uk/typing/texttype2/>. This is great for dyslexic children but also useful for all of us.

RE/PSHE:

In RE, we will be learning about Advent. We will be learning about the Christian customs of Advent and how all religions celebrate special times of the year.

Design Technology & Art and Design:

This half term, we will be designing and making rockets, painting the planets and the moon and also assembling something very special for Christmas!

P4C:

In our Philosophy lessons we will be doing some HOT thinking! HOT thinking stands for Higher Order Thinking and explores the idea of open ended questions especially good for P4C. Such questions include: Is it ok to feel sad sometimes? When did you start to think? You could discuss these questions over tea if you wish! Be prepared for a good discussion!

Music, Dance & Drama:

The children will listen to Holst - The Planets and try and match each piece of music with each planet. They will then try composing their own Moon Music.

Visits & Visitors:

As we didn't get time for our trip last half term, I am hoping to visit the **Wildlife Park** to look at the animals and look at the nocturnal animals. If you would like to accompany us on the trip please let me know as soon as possible.

Significant Dates and Events:

- 14.11.16 - Anti Bullying week
- 15.11.16 - Primary School Concert at Villa Marina - YR 1,2,3 (9:30am - 12:00)
- 07.12.16 - Christmas Production
- 09.12.16 - Christmas Dinner
- 15.12.16 - Junior Christmas Party
- 16.12.16 - Last Day of School (non uniform day)

How can I help my child at home this half term?

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| English | You can help your child by reading non-fiction books about the moon, space and rockets. We will be watching a Tom Hanks documentary called Walking on the Moon. You can view it on You Tube @ https://www.youtube.com/watch?v=LSUOjDJUw5M There are lots of books in Ramsey Library about the moon and space. I'm sure you'll enjoy finding out lots of information together in preparation for their newspaper report. Maybe you can discuss powerful headlines that the children could use for their reports and let them look at the layout of a front page, discussing captions, photographs and an opening summary of an article. |
| Maths | Practise adding 2 digit numbers with carrying to the tens column and also subtracting 2 digit numbers. If your child is secure subtracting our next step is to borrow from the tens column. There are some worksheets on this website: http://www.math-aids.com/Subtraction/ http://www.math-aids.com/Addition/ |
| General | The children have requested to learn about space so by following their interests I know we will have a super exciting half term. If you have the opportunity to be outside at night, maybe look up at the night sky and try and look for a shooting star or a constellation. Even looking at the moon with some binoculars is a great learning opportunity - can you find the Sea of Tranquility? You could also discuss the phases of the moon. I am hoping to have a stargazing night at the end of November. We will have to find somewhere very dark with no street lights and of course this will be an optional event. Any ideas would be greatly received. Here are some brilliant websites: http://www.whatdowedoallday.com/tag/moon https://www.calendar-12.com/moon_calendar/2016/november http://www.bbc.co.uk/bitesize/ks2/science/physical_processes/earth_sun_moon/read/1/ https://www.nasa.gov/multimedia/imagegallery/iotd.html |

What is Essentials for Learning?

The Manx Curriculum and the curriculum at Andreas School is now based around the 6R's (Readiness, Relationships, Resourcefulness, Resilience, Remembering Skills and Reflectiveness). We feel it is incredibly important to equip our children with 'skills for life' rather than just factual knowledge. The knowledge, skills and attitudes that pupils will need, in the twenty-first century, are not the same as they were in the past and so school experiences need to evolve to reflect this. Central to the design of the curriculum are the 6R's. These are dispositions which pupils need to develop in order to learn better. As a school we are developing the 6Rs so that we have:

- an explicit commitment, at all levels of the organisation, to the development of personal capabilities, alongside academic achievement
- a clear articulation of what learning means for all stakeholders
- an agreed definition of intelligence not as a fixed entity, but as capable of expansion
- provision which routinely supports the development of the 6Rs
- regular opportunities for pupils to exercise control over their own learning
- a common "vocabulary" used to discuss learning, prevalent throughout the setting
- opportunities for reflection and the evaluation of personal qualities, built into routines.

If you have any questions about this, please contact school and staff will be happy to talk to you about our provision.