

Learning starting points at Andreas this term, things may change!

Maths Skills and Challenges

Year 1/2 will be developing their skills in the following maths topics.

Place Value

- * Counting forwards and backwards
- * Representing numbers with physical resources
- * Finding 1 more or less
- * Partitioning numbers into tens and ones
- * Comparing and ordering numbers
- * Counting in 2s, 5s, 10s & 3s

Addition & Subtraction

- * Using fact families - number bonds to 10 & 20
- * Separating numbers into parts
- * Adding more & adding together
- * Taking away & counting back.
- * Using fact families - addition & subtraction bonds to 20 & 100
- * Add & subtract 2 digit numbers
- * Add & subtract 10s
- * Comparing numbers

Shape

- * Recognise, name and sort common 2D shapes
- * Identify lines of symmetry
- * Draw 2D shapes
- * Identify 3D shapes and describe their features including faces, edges and vertices.
- * Make 3D shapes

Discuss Learn Without Limits with your child to help them get smarter.



Literacy Skills and Challenges

Year 1/2 will be:

- * Practising phonics skills on a daily basis
- * Reading independently & in groups
- * Developing writing skills
- * Writing for different purposes e.g. Alien profiles, descriptive writing, stories & speech bubbles, space facts, questions for astronauts, and creating adverts.
- * Practising letter formation and pencil grip
- * Developing fine motor skills
- * Listening to stories & sharing non fiction space themed books

Topic - 'Moon Zoom'

Science

- * Exploring properties of everyday materials
- * Creating simple electrical circuits
- * Space travel & our solar system
- * Investigating air propelled rockets

Design Technology

- * Design & make model spaceships & rockets
- * Creating alien terrains
- * Designing & creating 'new' planets
- * Evaluating space toys
- * Design & create moon buggies

ICT

- * Using drawing programmes
- * Saving work to digital folders
- * Recording space sounds using Garageband
- * Taking digital images & labelling them
- * Programming robots

Suggestions for home learning

This half term, we'll travel through space to learn about the Solar System. We'll make models of the Solar System and design spaceships, space buggies and space-related toys. Books and photographs will help us to learn about the first lunar landing and the astronauts who venture into space. Floor robots will be programmed to move around an alien landscape, and we will compose space sounds and dances. We'll also explore satellite images, investigate rockets and use ICT to communicate our ideas and present our work.

Help your child prepare for their project

There's so much to learn about space! Why not stay up late and look at the stars? A stargazing app could help you identify well-known constellations. You could also visit the local library and find some exciting space stories and information books to share. Alternatively, create extraordinary aliens using modelling clay or a drawing app.

We would also encourage you to practise reading with your child on a regular basis.

Listening to your child read, or reading books to your child regularly has a hugely positive effect on their progress in school.

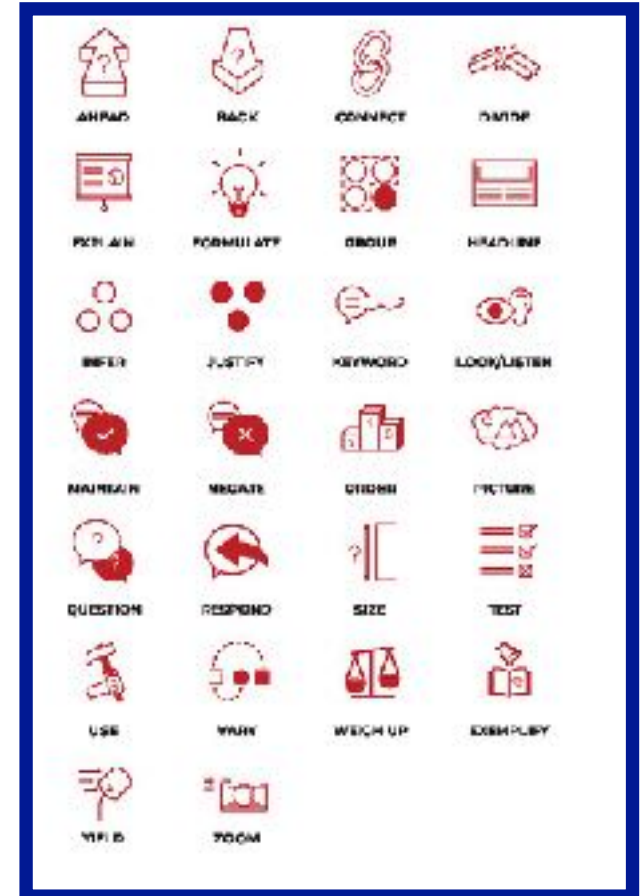
You can share books from school, books from home or books from the library. Both fiction and non fiction books are absolutely fine, and make sure you chat about what you are reading. Children also have access to digital reading books at home using their Active Learn login, which is the **first four letters of their forename and surname (if less than four letters, it's their whole name)** with no spaces or capitals. Password is **Andreas** and the school code is **anpr**. You will also find this login information in the cover of the children's reading diaries in the next few days.

Year 1 Maths home learning link below - Number & Place Value

<https://whiteroseeducation.com/parent-pupil-resources/maths/home-learning?year=year-1-new>

Year 2 Maths home learning link below - Number & Place Value

<https://whiteroseeducation.com/parent-pupil-resources/maths/home-learning?year=year-2-new>



Practise your Thinking Moves!