

# Topic Web – Spr 1– ONE GIANT LEAP -Space & Aviators – LKS2



## MUSIC

**Group 1 – Music appreciation**

**Group 2 – Listening, investigating**

**percussion, composing**

**Group 3– Ukulele**

## SCIENCE

**To work scientifically**

-Identify differences, similarities or changes related to simple scientific areas and processes.

Use straightforward, scientific evidence to answer questioned or to support their findings.

## Physics

**To understand movement, forces and magnets**

**To understand light and seeing**

**To understand the earth's movement in space**

## COMPUTING

**Code:**

- **Purplemash – Space Leaflets**
- **Scratch Coding – Interactive Solar System 'Space Facts interactive'**

**Safer Internet Day**

**Virtual Reality – Space Flight--**

'Titans of Space Plus' app-guided tours of the Solar System and Sun

## PSHE

**PSHE:**

- To explore what positively and negatively affects their physical, mental and emotional health.

**Spring 1 – Keep it Private**

- To recognise the kind of information that is private and understand that they should never give out private information on the Internet.
- To learn to create effective user names that protect their private information

<https://www.youtube.com/watch?v=r-ntiZg1Fas>

**Curriculum Driver - Real, Practical & Fun!**

**Air museum**

**Study old maps of local area**

**BRIGHT Learners – 'I' is for Improving**

**CORE Value - Truth**

## ENGLISH

**Stories that create**

**suspense and tension - The Iron Man:**

Similes, use of punctuation, character description, settings, creating tension, powerful verbs

**Poetry**

## ART

**Printing – nature as inspiration**

**Repeating patterns**

**Building up colour**

## RE DISCOVER

### Christianity

- Could Jesus really heal people? Were these miracles or is there some other explanation?
- Do sacred texts have to be 'true' to help people understand religion?
- Is religion the most important influence and inspiration in everyone's life?

## TOPIC MATHS

**Problem solving using the four operations**

**Measurement – length, perimeter, area, time**

**Fractions – recognize unit and non-unit fractions, equivalent fractions, counting in tenths**

## PE

**Gymnastics Games**

**Seeking Enquiry - Topic Questions**

What do you know about your school and local area in 1854? Are you glad you go to school now rather than then? Why?

Would you like to go to space? Is it worth spending lots of money to send people into space?



**One Giant Leap**

# Topic Web – Spr 2– ONE GIANT LEAP -Space & Aviators – LKS2



## MUSIC

**Group 2 – Music appreciation**

**Group 1 – Listening, investigating percussion, composing**

**Group 3– Ukulele**

## SCIENCE

**To Understand Electrical circuits**

- Identify whether or not a lamp will light in a simple series circuit based on whether or not the lamp is part of a complete loop with a battery. Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit.

## SPACE SHOWCASE

**Focus on Singing.e.g – David Bowie, Beep Song, This pretty planet**

**To Perform**

- Sing from memory with accurate pitch.
  - Pronounce words within a song clearly.
  - Sing in tune.
  - Maintain a simple part within a group.
- To Compose**
- Create accompaniments for tunes.

## GEOGRAPHY & HISTORY

**To build an overview of world history**

- Describe changes that have happened in the locality of the school throughout history.

**To investigate and interpret the past**

- Suggest causes and consequences of some of the main events and changes in history.

## Curriculum Driver - Real, Practical & Fun!

Children decide topic, invite parents to see what they found out. Children cook food for 'interval' Write their own play scripts, sections of showcase Presentation of the childrens' artwork to parents in a 'gallery'

**BRIGHT Learners – 'G' is for Gifts**

**CORE Value - FREEDOM**

## Seeking Enquiry - Topic Questions

Would you like to go to space?  
Is it worth spending lots of money to send people into space?

## ENGLISH

**Playscripts – Lower Junior Showcase**

**World Book day – Book Review**  
**Research – The planets, space facts**

**Biography – Important aviators (House names), chronology of life**

## DT

**Build an Iron Man robot**  
**Paper Plane Investigation**  
**Iron Man Robots – Create Series and parallel circuits**

## RE DISCOVER RE DISCOVER CHRISTIANITY

**What is good about good Friday?**  
**Should religious people be sad when someone dies?**  
**Do sacred texts have to be 'true' to help people understand their religion?**  
**Can the arts help communicate religious beliefs?**

## PE

**Gymnastics**

**Games**



**One Giant Leap**

# Non-Negotiable Key Skills: End of Year 3

Unlocking learning through oracy		
<ul style="list-style-type: none"> <li>• Talk and listen confidently in different situations.</li> <li>• Show they have listened carefully by asking relevant questions.</li> <li>• Develop and explain their ideas giving reasons.</li> <li>• Sequence and communicate ideas in an organised and logical way in complete sentences as required.</li> <li>• Vary the amount of detail – dependent on purpose and audience.</li> <li>• Participate fully in paired and group discussions.</li> <li>• Show understanding of the main points in a discussion.</li> <li>• Vary the use and choice of vocabulary – dependent on the purpose and audience.</li> </ul>		<ul style="list-style-type: none"> <li>• Start to show awareness of how and when Standard English is used.</li> <li>• Retell a story using narrative language, adding relevant detail.</li> <li>• Perform poems from memory, adapting expression &amp; tone as appropriate.</li> <li>• Show they have listened carefully through making relevant comments.</li> <li>• Formally present ideas or information to an audience.</li> <li>• Recognise that meaning can be expressed in different ways dependent on the context.</li> <li>• Begin to adapt use of language to meet the needs of the audience/listener.</li> </ul>
Reading	Writing	Mathematics
<ul style="list-style-type: none"> <li>• Comment on the way characters relate to one another.</li> <li>• Know which words are essential in a sentence to retain meaning.</li> <li>• Draw inferences such as inferring characters' feelings, thoughts &amp; motives from their actions.</li> <li>• Recognise how commas are used to give more meaning.</li> <li>• Recognise inverted commas</li> <li>• Recognise:               <ul style="list-style-type: none"> <li>○ plurals</li> <li>○ pronouns and how used</li> <li>○ collective nouns</li> <li>○ adverbs</li> </ul> </li> <li>• Explain the difference that the precise choice of adjectives and verbs make.</li> </ul>	<ul style="list-style-type: none"> <li>• Use conjunctions (when, so, before, after, while, because).</li> <li>• Use adverbs (e.g. then, next, soon, therefore).</li> <li>• Use prepositions (e.g. before, after, during, in, because of).</li> <li>• Experiment with adjectives to create impact.</li> <li>• Correctly use verbs in 1<sup>st</sup>, 2<sup>nd</sup> &amp; 3<sup>rd</sup> person.</li> <li>• Use perfect form of verbs to mark relationships of time &amp; cause.</li> <li>• Use inverted commas to punctuate direct speech.</li> <li>• Group ideas into basic paragraphs.</li> <li>• Write under headings &amp; sub-headings.</li> <li>• Write with increasing legibility, consistency and fluency.</li> </ul>	<ul style="list-style-type: none"> <li>• Compare &amp; order numbers up to 1000.</li> <li>• Read &amp; write all numbers to 1000 in digits &amp; words.</li> <li>• Find 10 or 100 more/less than a given number.</li> <li>• Count from 0 in multiples of 4, 8, 50 &amp; 100.</li> <li>• Recall &amp; use multiplication &amp; division facts for 3, 4, 8 tables.</li> <li>• Recognise place value of any 3-digit number.</li> <li>• Add &amp; subtract:               <ul style="list-style-type: none"> <li>○ 3-digit nos &amp; ones</li> <li>○ 3-digit nos &amp; tens</li> <li>○ 3-digit nos &amp; hundreds</li> </ul> </li> <li>• Add &amp; subtract:               <ul style="list-style-type: none"> <li>○ Numbers with up to 3-digits using written columnar method.</li> </ul> </li> <li>• Estimate and use inverse to check.</li> <li>• Multiply:               <ul style="list-style-type: none"> <li>○ 2-digit by 1-digit</li> </ul> </li> <li>• Count up/down in tenths.</li> <li>• Compare &amp; order fractions with same denominator.</li> <li>• +/- fractions with same denominator with whole.</li> <li>• Tell time using 12 and 24 hour clocks; and using Roman numerals.</li> <li>• Tell time to nearest minute.</li> <li>• Know number of days in each month and number of seconds in a minute.</li> </ul>

# Non-Negotiable Key Skills: End of Year 4

Unlocking learning through oracy		
<ul style="list-style-type: none"> <li>• Talk and listen confidently in a wide range of contexts.</li> <li>• Ask questions to clarify or develop understanding.</li> <li>• Give an answer and justify with evidence.</li> <li>• Sequence, develop and communicate ideas in an organised and logical way in complete sentences as required.</li> <li>• Show understanding of the main points and significant details in a discussion.</li> <li>• Show they have listened carefully through making relevant comments.</li> <li>• Increasingly able to adapt what they say to meet the needs of the audience/listener.</li> </ul>		<ul style="list-style-type: none"> <li>• Vary the use and choice of vocabulary dependent on the purpose and audience.</li> <li>• Vary the amount of detail dependent on the purpose and audience.</li> <li>• Show understanding of how and why language choices vary in different contexts.</li> <li>• Use some features of Standard English.</li> <li>• Present writing to an audience using appropriate intonation and control the tone and volume so that the meaning is clear.</li> <li>• Perform poems or plays from memory conveying ideas about characters and situation by adapting expression and tone.</li> <li>• Understand when the context requires the use of Standard English.</li> </ul>
Reading	Writing	Mathematics
<ul style="list-style-type: none"> <li>• Give a personal point of view on a text.</li> <li>• Re-explain a text with confidence.</li> <li>• Justify inferences with evidence, predicting what might happen from details stated or implied.</li> <li>• Use appropriate voices for characters within a story.</li> <li>• Recognise apostrophe of possession (plural)</li> <li>• Identify how sentence type can be changed by altering word order, tenses, adding/deleting words or amending punctuation.</li> <li>• Explain why a writer has used different sentence types or a particular word order and the effect it has created.</li> <li>• Skim &amp; scan to locate information and/or answer a question.</li> </ul>	<ul style="list-style-type: none"> <li>• Vary sentence structure, using different openers.</li> <li>• Use adjectival phrases (e.g. biting cold wind).</li> <li>• Use appropriate choice of noun or pronoun.</li> <li>• Use fronted adverbials.</li> <li>• Use apostrophe for plural possession.</li> <li>• Use a comma after fronted adverbial (e.g. Later that day, I heard bad news.).</li> <li>• Use commas to mark clauses.</li> <li>• Use inverted commas and other punctuation to punctuate direct speech.</li> <li>• Use paragraphs to organize ideas around a theme.</li> <li>• Use connecting adverbs to link paragraphs.</li> <li>• Write with increasing legibility, consistency and fluency.</li> </ul>	<ul style="list-style-type: none"> <li>• Count backwards through zero to include negative numbers.</li> <li>• Compare &amp; order numbers beyond 1,000.</li> <li>• Compare &amp; order numbers with up to 2 decimal places.</li> <li>• Read Roman numerals to 100.</li> <li>• Find 1,000 more/less than a given number.</li> <li>• Count in multiples of 6, 7, 9, 25 &amp; 1000.</li> <li>• Recall &amp; use multiplication &amp; division facts all tables to 12x12.</li> <li>• Recognise PV of any 4-digit number.</li> <li>• Round any number to the nearest 10, 100 or 1,000.</li> <li>• Round decimals with 1dp to nearest whole number.</li> <li>• Add &amp; subtract: <ul style="list-style-type: none"> <li>○ Numbers with up to 4-digits using written columnar method.</li> </ul> </li> <li>• Multiply: <ul style="list-style-type: none"> <li>○ 2-digit by 1-digit</li> <li>○ 3-digit by 1-digit</li> </ul> </li> <li>• Count up/down in hundredths.</li> <li>• Recognise &amp; write equivalent fractions</li> <li>• +/- fractions with same denominator.</li> <li>• Read, write &amp; convert time between analogue &amp; digital 12 &amp; 24 hour clocks.</li> </ul>