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| **Topic**  **Essential Idea:**  **To Infinity and Beyond!** | **Launch**  Nebula  Story map  Ranking planets  History of space exploration | **Class Book**  ‘Cosmic’  Lost Words  Tim Peake | **End Authentic Outcome**  A virtual presentation of our work |
| **What will the classroom look like?**  There will be the main idea of infinity question illustrated with examples that the pupils will have ranked between planets, with reasoning.  A nebula suspended from the ceiling.  Planets  Star constellations on wondows  Science facts  Class fiction and non fiction books within the topic area | **Developing the classroom**  Nebula displayed  A corridor timeline of space exploration  Dadwavers and sentence wall  Spelling prompts  Maths working wall, starting with fraction operations  Space centre corner  Ranked planets  Reasoning for discussion of points of view | **Trips/visits to support project**  Use of outdoor learning spaces –  Solar system scaled down  Space games  Story telling  Drama | **Literacy genres**  Letters  Narrative (building suspense, description, flashback)  Non chronological report  Poetry  Discursive |
| **Use of outdoor class**  Class reader in story – telling area  Drama freeze – frames in amphitheatre  IT – photographing scenes for a graphic novel  Coding space journeys | **Innovative use of ICT**  Investigating search engines  NASA website  discursive  Graphic novels |

Class 4 Rinsey Spring 2121 Medium term Plan **To Infinity and Beyond!**

MINI OUTCOME

A history presentation:

choice of space exploration events around Apollo flights

MINI OUTCOME

Story map learnt

Own scaffolded version planned

MINI OUTCOME

Making planets with attached facts

MINI OUTCOME

Maths mapping planets to scale

Digital presentation of mini outcomes to publish on website class page.

Making nebula and investigating

To Infinity and Beyond!

MINI OUTCOME

What does the moon do for us?

MINI OUTCOME

Discussion – what could be out in space?

MINI OUTCOME

Space art – rockets and galaxies

MINI OUTCOME

The planets: Holst listening and composing

Science

Application of science in the real world

Timeline of space exploration

Role of females in the space topic

Gravity

G force

Phases of the moon

The solar system

English

‘Cosmic’ Frank Cottrell Boyce

Characters – how do we know what the main characters are like?

Story map – how is flashback used? Where are there points of excitement and suspense?

Tim Peake – his blogs and books. How are his experiences linked to ‘Cosmic?’

Using the theme of ‘To Infinity and Beyond!’ we will enter into the world of space, sci fi and scientific knowledge.

Using the fantastic novel ‘Cosmic’ by Frank Cottrell – Boyce, we will examine space exploration and being a grown up.

To Infinity and beyond!

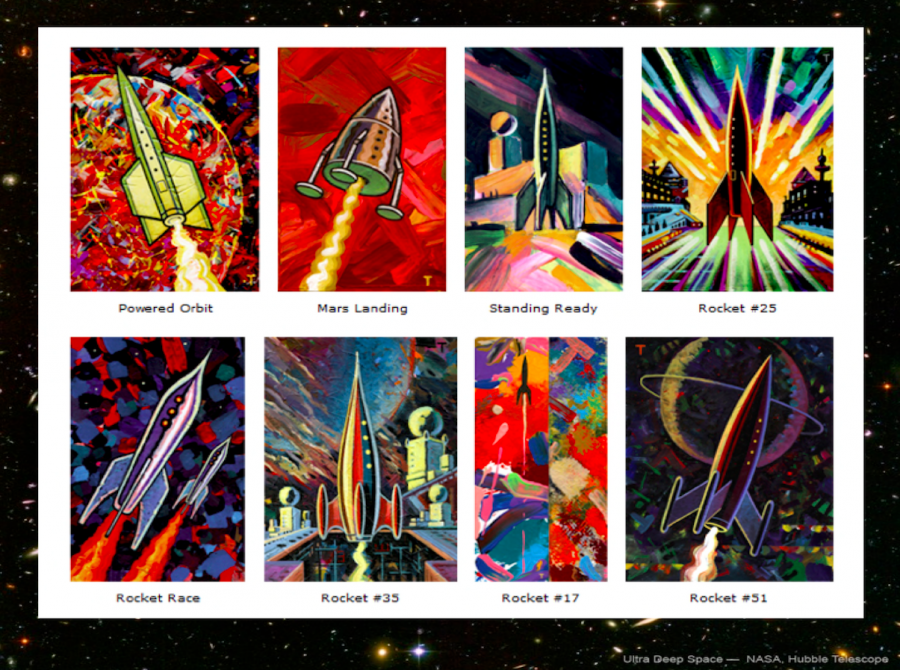
NASA website

Search engines Bing Yahoo Google

Chatterpix space facts

Coding a ‘space journey’ using the outside area

Using a wen based publishing platform



Music/dance

Bucket – drumming

Listening to Holst

Composing space inspired using bucket drumming and pentatonic scales

Peter Thorpe

History:

The history of space observation – Galileo

Apollo flights

How the space race developed

The ISS

Elon Musk

Art – colour and shape

Sonia Delauney

