Entry/ Exit Point (Excite/ Celebrate)

Journey into *Cosmic* to promote question and excitement within a literacy-rich environment.

Use of Augmented Reality to introduce space topic.

Video call with NASA: Finding out what it is really like to be an astronaut.

Wow Day using VR goggles to explore and comprehend outerspace.

Texts

Cosmic by Frank Cottrell Boyce

Night Sky by G Boston. Night Sky Over Mesa Verde by Carl Lindner. Moon Landing newspaper articles.

Key Vocabulary

Cosmic, solar, planetary, orbit, time zone, astronaut, planet, gravity, speed, force, galaxy, asteroid, heliocentric, geocentric, fall, gravity, force, air resistance, water resistance, friction, moving surfaces

Space

Intent (Knowledge/NC links)

- **How do we have day and night?**
- **How do the planets move around the sun?**
- **How does the moon move around the earth?**
- **How big is the solar system?**
- **Has anybody ever been to the moon?**
- **Does everybody believe that there has been a man on the moon?**
- **Can anybody visit outer space?**
- **Why do unsupported objects fall towards earth?**
- **Which forces exist between material surfaces?**
- **Why do boats float?**
- **How does light travel?**
- **Why can we see the moon?**

Impact (Assessment Criteria)

Children can:
Create and perform a speech
Use adverbials of time in their writing
Describe the movement of planetary objects
Describe night and day
Describe the movement of the moon
Illustrate the way the moon rotates around the earth
Write a newspaper article
Describe why objects fall towards objects of larger mass
Illustrate how particles create resistance forces
Describe how light travels

Implementation (including cross curricular links and enrichment activities)

Science:
Show solar movement through animation
Use an AR trail around school to Research planets and create an eBook
Give children country stickers and have them rotate around a central light to show day and night
Is the Earth spherical? Did we land on the moon? Using evidence to disprove conspiracy theories.
Friction – pulling a car through the playground on different surfaces
Gravity – Slowing down a video of falling to simulate more or less gravity.
English
Writing a diary, cold narrative and a hot narrative based on the story of Cosmic
Writing a newspaper newspaper based on the moon landing.
Spreading a conspiracy theory to understand how quickly Fake News travels
Creating poetry from artwork

Art – Broadening our knowledge of the artist by studying Vicent Van Gough and replicating his "Starry Nights" and artisit Peter Thorn and creating space art in his style
PE – How does lack of gravity affect the physical ability of astronauts?
Reading – Using Cosmic to expose children to higher-level literature. This book will inform our writing genres. We will explore space poetry and the literary devices used to create meaning. Research newspapers detailing the moon landing, which will prepare us to write a newspaper.
Computing – Create a Drax Phone audio diary to enahance our writing. Video call to NASA. AR and VR, creating stop-animation. Debunking "Fake News" in E-safety and demonstrating Fake News by spreading a rumour.
DT – Considering, transportation and preservation, children plan, create and evaluate a meal fit for an astronaut.

High Impact Wow Day involving VR headsets.

AR experiences in classroom

hi-impact headquarters
Innovation House
Power Road, Bromborough
Wirral, CH62 3QT
United Kingdom
office@hi-impact.co.uk
+44 151 638 6283