.d,

**MATHEMATICS:**

* Recapping of four operations
* Using operations to solve problems
* Fractions x fractions/ whole numbers Fractions ÷ whole numbers
* Angles, measures, features of shapes, circles and how to measure
* Translations and symmetry
* Algebra and knowledge of formulas
* Reading and understanding charts and graphs
* Know and recall number facts (dec/perc/fract)

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**PSHE/ RSE:**

* Managing conflict and emotions (puberty)
* To understand emotions effect on us.
* To know strategies to keep safe online, avoid peer pressure and substance abuse.
* To know how to accidental exposure to images can occur and what to do in case of it happening.

**RE:**

**What can we learn from great philosophers?**

* Explore the life and key ideas of Saint Thomas Aquinas, Aristotle, Confucius, and Socrates.
* To consider their ideas and what we can learn from them
* Discussing the learning and whether it is relevant today or how it can help us live our lives.

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**ENGLISH:**

* Creating stories about space adventure and encounters with aliens
* Learning about detail in stories including settings, fantastical characters and writing to include a flashback
* Performance poetry about aliens, stars, planetary bodies
* Understanding non-fiction, fiction and poetry and the differences
* Increasing reading skills of inference, synthesis, evidencing and exploring our vocabulary knowledge (word ninja)

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**DESIGN TECHNOLOGY:**

* Creating a moving mobile of the solar system using levers and pulleys
* Choosing materials which will meet the success criteria, planning and evaluating
* Explore gears and levers use to increase forces

**MUSIC:**

* War of the worlds and building of suspense in music
* Compare LP sound to MP3 download, explore differences
* Composition of new music

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**ART AND DESIGN:**

* Alizey Khan, Jackson Pollock, Ludek Pesek
* Creating astronomical artwork using mixed mediums such as foam paint
* Blow art to create a galaxy themed artwork with planets/ detailed sketches

**ICT:**

* Espresso coding sessions/ e-safety
* Creation of a stop motion movie using windows media maker (using space mobile moving model created in D/T
* Exploring excel and power point

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**GEOGRAPHY AND HISTORY:**

* Physical geography; mountains rivers, seas, forests, countries
* Features of the different planets/ moons
* History of space missions
* Learn about who has been into space and the history of space missions especially the mission to the moon

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**SCIENCE:**

* Earth and space; understand the solar system and the orbits around the sun
* Understand how the moon moves
* Explore day and night/ axis movements
* Light; understand how light travels and reflects, how the eye works and how shadows are created

OAK CLASS

SPRING TERM > 2021-22

EARTH AND SPACE

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**MODERN FOREIGN LANGUAGE:**

* My home and my community
* Recapping of numbers/ colours
* French conversation responses to basic questions – related to shopping