St. Mark’s Primary School

Welcome to Year 5!

September 2019
Meet the team
Miss Goddard and Mrs Poole, Miss Thomas and Miss Fowler
The year to come

Autumn 1 – Connections (Space)
Autumn 2 – North America

Spring 1 – Ancient Greeks
Spring 2 – Europe

Summer 1 – Caribbean
Summer 2 – Vikings & Saxons

Concept lead
**Connections**

**Knowledge Organiser**

**Key Definitions**

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Star</td>
<td>A burning mass of gas that makes heat and light energy (e.g. the sun).</td>
</tr>
<tr>
<td>Planet</td>
<td>An astronomical object that orbits a star and does not emit its own light.</td>
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<tr>
<td>Gravity</td>
<td>The force that attracts an object towards a larger object.</td>
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<tr>
<td>Solar System</td>
<td>A star with objects (such as planets) revolving around it.</td>
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<tr>
<td>Light-year</td>
<td>The distance light travels in a year (9.46 trillion km).</td>
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<tr>
<td>Galaxy</td>
<td>An extremely large group of stars and planets that extends over many billions of light-years, held together by gravity (e.g. Milky Way and Andromeda).</td>
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<tr>
<td>Universe</td>
<td>All of space and everything in it (including stars, planets, and galaxies).</td>
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<tr>
<td>Satellite</td>
<td>An object either natural (i.e. a moon) or man-made, that orbits around a planet.</td>
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<tr>
<td>Orbit</td>
<td>A curved path of a planet, satellite or spacecraft around an object, such as the sun due to the attraction of gravity.</td>
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<tr>
<td>Moon</td>
<td>An irregularly shaped rock that orbits the sun, mostly occurring in the asteroid belt.</td>
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<tr>
<td>Interior</td>
<td>A mass of rock that burns after entering the Earth's atmosphere (meteorite when the rock has hit the Earth).</td>
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<tr>
<td>Comet</td>
<td>A mass of ice and dust that has a long, luminous tail of gas.</td>
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<tr>
<td>NASA</td>
<td>The National Aeronautics and Space Administration—a US agency responsible for the exploration and study of space.</td>
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<tr>
<td>Astronomy</td>
<td>The branch of science that deals with space and the physical universe as a whole.</td>
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**Moon Facts**

<table>
<thead>
<tr>
<th>No. of moons</th>
<th>Length of orbit (Earth days)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mercury</td>
</tr>
<tr>
<td>2</td>
<td>Venus</td>
</tr>
<tr>
<td>3</td>
<td>Earth</td>
</tr>
<tr>
<td>4</td>
<td>Mars</td>
</tr>
<tr>
<td>5</td>
<td>Jupiter</td>
</tr>
<tr>
<td>6</td>
<td>Saturn</td>
</tr>
<tr>
<td>7</td>
<td>Uranus</td>
</tr>
<tr>
<td>8</td>
<td>Neptune</td>
</tr>
</tbody>
</table>

**Order of Planets**

1. **Mercury**
2. **Venus**
3. **Earth**
4. **Mars**
5. **Jupiter**
6. **Saturn**
7. **Uranus**
8. **Neptune**

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**Space Exploration**

**Humans in space**

1. **Laika** The first animal in space was a dog aboard Sputnik 2 in 1957.
3. **Neil Armstrong** First person on the moon in 1969 aboard Apollo 11.

**Solar System Missions**

1. **Sputnik 1** The first man-made satellite to orbit the Earth, launched by the Soviet Union in 1957.
2. **Mars Landers and Rovers** First launched in 1975 with plans to land or move to Mars in 2020.
4. **Hubble Telescope** Launched 1990 - captured images of both our own and distant galaxies.
5. ** Cassini** Launched 1997 - exploring Saturn and its rings.

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**Key Facts**

- There are 24 hours in a day.
- There are 365 ¼ days in a year.
- The moon takes 28 days to orbit the Earth.

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**Moon Phases**

- New Moon
- Waxing Crescent
- First Quarter
- Waxing Gibbous
- Full Moon
- Waxing Gibbous
- Last Quarter
- Waning Crescent

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**Ideas for Home**

- Research some information about a specific planet.
- Plan a space holiday with Virgin Galactic.
- Keep a moon diary.
- Write a prediction about what might be found on Europa.
- Draw a timeline of key Space events.
- Create a sundial to study shadow changes.
English

Read to Write &
Write to Read

Please don't
read them
before!
Homeork

• Reading (most nights)
• Weekly Spellings (sent home on a Friday, tested the following Friday)
• Weekly Maths (sent home on a Tuesday, due in the following Tuesday)
• Weekly SPAG (sent home on a Thursday, due in the following Thursday)
Equipment

- Pencil Cases
- PE Kit
Focus: Resilience & Risk Taking
Any Year 5 Questions?

PGL Drop In:
Tuesday 1st October – 3.30pm-6.45pm