**Week 2: Tuesday 3rd November**

**Theme:**

<table>
<thead>
<tr>
<th>Maths Skills:</th>
<th>Science</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Skills Focus:</strong></td>
<td>Planting seeds altering the different variables (light, air, water, soil, room to grow) and recording over a series of weeks how the different conditions react to the plants.</td>
</tr>
<tr>
<td>Know multiplication facts for the 3, 4, 8 tables</td>
<td>- Identify and describe the functions of different plants of flowering plants roots, stem/trunk, leaves and flowers - explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant</td>
</tr>
<tr>
<td>Know division facts for the 3, 4, 8 tables</td>
<td></td>
</tr>
<tr>
<td>Connect the 2, 4, 8 tables through doubling</td>
<td></td>
</tr>
<tr>
<td>Use mental methods to write and calculate using commutativity and associativity. (4 \times 12 \times 5 = 4 \times 5 \times 12 = 20 \times 12 = 240)</td>
<td></td>
</tr>
<tr>
<td>Mentally calculate inverses for multiplication and division facts I know.</td>
<td></td>
</tr>
<tr>
<td>Use formal written methods to multiply a two digit number by a one digit number.</td>
<td></td>
</tr>
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<td>Use formal written methods to divide a two digit number by a one digit number.</td>
<td></td>
</tr>
<tr>
<td>Multiply by 10 and 100 mentally.</td>
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<tr>
<td>Divide by 10 and 100 mentally.</td>
<td></td>
</tr>
<tr>
<td>Solve problems involving missing numbers in multiplications and divisions.</td>
<td></td>
</tr>
<tr>
<td>Solve problems involving multiplication.</td>
<td></td>
</tr>
<tr>
<td>Solve problems involving division.</td>
<td></td>
</tr>
</tbody>
</table>

**Science Skills:**

- Identify and describe the functions of different plants of flowering plants roots, stem/trunk, leaves and flowers - explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant

**Maths Skills:**

- Using multiplication and division to calculate Alice's size when she drinks the potions. Making a potion using quantities such as mls

**Maths:**

- Know multiplication facts for the 3, 4, 8 tables
- Know division facts for the 3, 4, 8 tables.
- Connect the 2, 4, 8 tables through doubling.
- Use mental methods to write and calculate using commutativity and associativity. \(4 \times 12 \times 5 = 4 \times 5 \times 12 = 20 \times 12 = 240\)
- Mentally calculate inverses for multiplication and division facts I know.
- Use formal written methods to multiply a two digit number by a one digit number.
- Use formal written methods to divide a two digit number by a one digit number.
- Multiply by 10 and 100 mentally.
- Divide by 10 and 100 mentally.
- Solve problems involving missing numbers in multiplications and divisions.
- Solve problems involving multiplication.
- Solve problems involving division.

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**Week 3: Tuesday 10th November**

**Theme:**

<table>
<thead>
<tr>
<th>Maths Skills:</th>
<th>Science</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Skills Focus:</strong></td>
<td>Experimenting with celery and how it consumes water. Writing an experimental report to present the findings from the experiment.</td>
</tr>
<tr>
<td>Know multiplication facts for the 3, 4, 8 tables</td>
<td></td>
</tr>
<tr>
<td>Know division facts for the 3, 4, 8 tables.</td>
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<tr>
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<td>Mentally calculate inverses for multiplication and division facts I know.</td>
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<tr>
<td>Multiply by 10 and 100 mentally.</td>
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</tr>
<tr>
<td>Divide by 10 and 100 mentally.</td>
<td></td>
</tr>
<tr>
<td>Solve problems involving missing numbers in multiplications and divisions.</td>
<td></td>
</tr>
<tr>
<td>Solve problems involving multiplication.</td>
<td></td>
</tr>
<tr>
<td>Solve problems involving division.</td>
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</table>

**Science Skills:**

- Identify and describe the functions of different plants of flowering plants roots, stem/trunk, leaves and flowers - explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant
- investigate the way in which water is transported in plants
- explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal

<table>
<thead>
<tr>
<th>Week 4: Tuesday 17th November</th>
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<th>Week 5: Tuesday 24th November</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theme:</td>
<td></td>
<td>Theme:</td>
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</tbody>
</table>
**Maths:**
**Skills Focus:**
- Multiplication & Division

Using multiplication and division to effectively make sandwiches for the Mad Hatter's tea party

**Science**
Scientific sketching and labelling of plants and root systems of the plants

**Maths Skills:**
- Know multiplication facts for the 3, 4, 8 tables
- Know division facts for the 3, 4, 8 tables.
- Connect the 2, 4, 8 tables through doubling.
- Use mental methods to write and calculate using commutativity and associativity. eg: 4 x 12 x 5 = 4 x 5 12 = 20 x 12 = 240
- Mentally calculate inverses for multiplication and division facts I know.
- Use formal written methods to multiply a two digit number by a one digit number.
- Use formal written methods to divide a two digit number by a one digit number.
- Multiply by 10 and 100 mentally.
- Divide by 10 and 100 mentally.
- Solve problems involving missing numbers in multiplications and divisions.
- Solve problems involving multiplication.
- Solve problems involving division.

**Science Skills:**
- Identify and describe the functions of different plants of flowering plants roots, stem/trunk, leaves and flowers
- Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant
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- Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal

**Children go to the British Library to see the Alice in Wonderland exhibition**

**Maths Skills:**
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- Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal
<table>
<thead>
<tr>
<th>Week 6: Tuesday 1\textsuperscript{st} December</th>
<th>Week 7: Tuesday 7\textsuperscript{th} December</th>
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</tr>
<tr>
<td></td>
<td>pollination, seed formation and seed dispersal</td>
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</tbody>
</table>
### Maths Skills:
- **Skills Focus:** Multiplication and Division
- Using multiplication and division to play card games and multiply using the cards

### Science
- Read *The Tiny Seed*, by Eric Carle, and make a timeline journey of what happens to seed and how it gets pollinated

### Maths Skills:
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### Maths Skills:
- **Skills Focus:** Division
- Using division to solve problems related to time and how Alice fell down the rabbit hole

### Science
- Conclude the experiment on the different conditions for growing, writing up their report and interpreting the findings.

### Maths Skills:
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