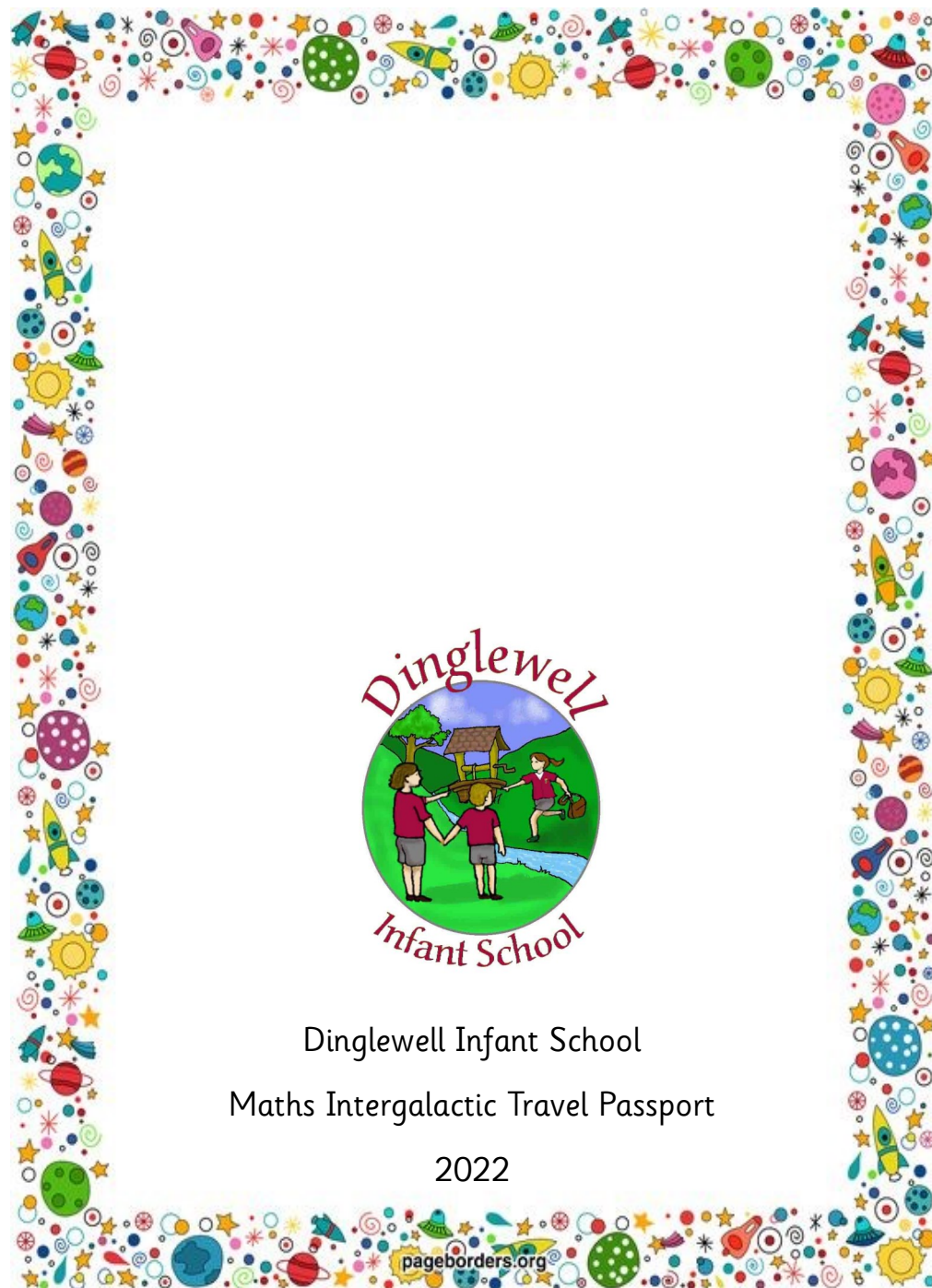


# Dinglewell Infant School



## Maths Intergalactic Space Travel Passport Help Guide to the Sun



You are now heading to Sun.  
Your new targets are:

| Sun                                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------|
| I can solve multiplication problems outside the 2 times table using my partitioning, multiplication and addition skills  |
| I can solve multiplication problems outside the 10 times table using my partitioning, multiplication and addition skills |
| I can solve multiplication problems outside the 5 times table using my partitioning, multiplication and addition skills  |



| Sun                                                                                                                      | Examples                                                                                                                                                                                                               | Can your child answer these questions?                                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I can solve multiplication problems outside the 2 times table using my partitioning, multiplication and addition skills  | $16 \times 2$<br>I partition 16 into 10 and 6<br>I know that<br>$10 \times 2 = 20$<br>$6 \times 2 = 12$<br>$20 + 12 = 32$<br>So $16 \times 2 = 32$<br><br>$19 \times 2$<br>Double 20 is 40 so $19 \times 2$ must be 38 | How would you solve $19 \times 2$ ?<br><br>What is the product of $15 \times 2$ ?<br><br>What facts would you use to solve $2 \times 14$ ?                                                     |
| I can solve multiplication problems outside the 10 times table using my partitioning, multiplication and addition skills | $14 \times 10$<br>I partition 14 into 10 and 4<br>I know that<br>$10 \times 10 = 100$<br>$4 \times 10 = 40$<br>$100 + 40 = 140$<br>So $14 \times 10 = 140$                                                             | How would you solve $17 \times 10$ ?<br><br>What is the product of $10 \times 18$ ? How do you know?<br><br>How can you work it out?<br><br>What facts would you use to solve $19 \times 10$ ? |
| I can solve multiplication problems outside the 5 times table using my partitioning, multiplication and addition skills  | $17 \times 5$<br>I partition 17 into 10 and 7<br>I know that<br>$10 \times 5 = 50$<br>$7 \times 5 = 35$<br>$50 + 35 = 85$<br>So $17 \times 5 = 85$                                                                     | How would you solve $13 \times 5$ ?<br><br>What is the product of $14 \times 5$ ? How could you work it out?<br><br>Which multiplication facts can you use to solve $5 \times 14$ ?            |