



Maths Unit Planning

Year: 1

Unit: 2 – Part Whole within 10

Approx. length: 2 weeks

Prior Learning:

Before they start this unit, it is expected that children: • know how to sort and compare objects to 10 • understand how to count on and back within 10 • can order a set of numbers and use the vocabulary 'less than', 'more than' and 'equal to'

Main Learning:

In this unit, children learn to:

- recognise and use a part-whole model
- partition numbers to 10
- use the part whole model to help them write and compare number bonds

Steps of learning:

1. Recognise parts & whole (practical own)
2. Recognise parts & whole
3. Complete a part whole model (pictorial)
4. Use part whole model using digits (own)
5. Write number sentences to match part whole model
6. Write number sentences to match part whole model (own)
7. Number bonds
8. Find number bonds within 10
9. Recall number bonds to 10

Key representations and structures to use:

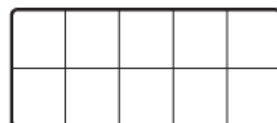
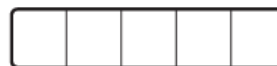
Part-whole model: This model helps children understand that two or more parts combine to make a whole. It also helps to strengthen children's understanding of number.



Bead string: The bead string is a great way of introducing children to patterns and helping them to be systematic in their approach. They can find answers by moving one bead at a time, each time recording the number sentence they have represented.



Five frame and ten frame: The five and ten frames help to give children a sense of the numbers, and support their understanding of number bonds to 5 and 10. They also play a key role in helping children to recognise the structure of other numbers, and to understand what happens when you add two numbers together.



Vocabulary:

There is some key language that children will need to know as a part of the learning in this unit:

- part-whole model
- part, whole, groups
- number sentence, number bonds
- plus
- is equal to