**School name: MATHS PLANNING YEAR A**

**BRONZE**

**Teacher: Class: Year: Term: Spring 2 Week Commencing: Week 4**

|  |  |
| --- | --- |
| **Topic** | **NC Links:****Pupils should be taught to:** |
| **Day** | **Mental/Oral Starter** | **Main Lesson** | **Plenary** | **Assessment** |
|  | **Objectives** | **Activity** | **Objectives** | **Teaching** | **Activities** | **Key Vocabulary** | **Activity** |  |
| **Mon** | **L.O. Recall 9x table**612 x 9 =821 ÷ 9 =3079 + 951 =5000 - 3214 =1.8m = ?cm | TMM**L.O. To fill in the missing gaps** | **L.O. To Subtract Fractions****Must:** Subtract fractions using bar models.**Should:** Subtract fractions using part/whole models**Could:** Explain methods**Success Criteria** | Teach children to use practical equipment and pictorial representations to subtract fractions with the same denominator within one whole.They must understand that we only subtract the numerators and the denominators stay the same. | Chn use bar models and number stories to explain a pictorial representation.Use part/whole models to subtract fractionsExplain methods**SEN – L.O.** | FractionDenominatorNumeratorDifferenceTake awaySubtract | What fraction is shown first? Then what happens? Now what isleft? Can we represent this in a number story? | **Exceeding ARE:****At ARE:** **Below ARE:****SEND****PPG****EAL** |







****

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Day** | **Mental/Oral Starter** | **Main Lesson** | **Plenary** | **Assessment** |
|  | **Objectives** | **Activity** | **Objectives** | **Teaching** | **Activities** | **Key Vocabulary** | **Activity** |  |
| **Tues** | **L.O. Recall 9x table****1515 - 795 =****37 + 2578 =****547 x 9 =****575 ÷ 9 =****35cm = ?mm** | TMM**L.O. To fill in a Venn Diagram.** | **L.O. To add 2 or more fractions.****Must:** Add 2 or more fractions of the same denominator within a whole.**Should:** Add 2 or more fractions of the same denominator beyond a whole.**Could:** Explain word problems involving adding 2 or more fractions that end in mixed/improper fraction**Success Criteria** | Children use practical equipment and pictorial representations to add two or more fractions with the same denominator which total less than 1. Then record numbers greater than 1 using mixed numbers.Only add the numerator, the denominator stays the same. | Use strips of folded card to add quarters.Use bar models and number lines to add fractionsSpot, explain and correct errors.Explain calculations that add to a mixed number/improper fraction.**SEN – L.O.** | FractionAddSubtractTotalwholeDenominatorNumeratorImproperMixed number | Howmany equal parts is the whole split into? How many equalparts am I addingWhich bar model do you prefer when adding fractions? Why?Can you combine any pairs of fractions to make one wholewhen you are adding three fractions? | **Exceeding ARE:****At ARE:** **Below ARE:****SEND****PPG****EAL** |



****

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Day** | **Mental/Oral Starter** | **Main Lesson** | **Plenary** | **Assessment** |
|  | **Objectives** | **Activity** | **Objectives** | **Teaching** | **Activities** | **Key Vocabulary** | **Activity** |  |
| **Wed** | **L.O. To recall 9x table****4000 - 745 =****446 x 9 =****771 ÷ 9 =****1009 + 4174 =****15cm = ?mm** | **TMM****L.O. To fill in a web** | **L.O. To Subtract fractions****Must:** use folded card to calculate fractions**Should:** use bar models and number lines to subtract fractions**Could:** Spot, explain and correct errors.**Success Criteria** | Children use practical equipment and pictorial representations to subtract fractions with the same denominator.Encourage children to explore subtraction as take away and as difference. Difference can be represented on a bar model by using a comparison model and making both fractions in the subtraction. | Use folded card to solve subtraction of eighthsUse bar models and number lines to subtract fractionsMatch number story to correct statement.Spot, explain and correct errors**SEN – L.O.** | FractionDenominatorNumeratorDifferenceTake awaySubtract | How can I find a missing number in a subtraction? Can you count on to find the difference? Can I partition my fraction to help me subtract? | **Exceeding ARE:****At ARE:** **Below ARE:****SEND****PPG****EAL** |



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Day** | **Mental/Oral Starter** | **Main Lesson** | **Plenary** | **Assessment** |
|  | **Objectives** | **Activity** | **Objectives** | **Teaching** | **Activities** | **Key Vocabulary** | **Activity** |  |
| **Thurs** | **L.O. To recall 9x table****652 + 6547 =****500 - 332 =****952 x 9 =****654 ÷ 9 =****50cm = ?m** | **TMM****L.O. To solve a multiplication pyramid** | **L.O. To subtract fractions from a whole one.****Must:** use folded card to calculate fractions**Should:** use bar models and number lines to subtract fractions**Could:** Solve problems**Success Criteria** | Children continue to use practical equipment and pictorial representations to subtract fractions. Children subtract fractions from a whole amount. Children need to understand how many equal parts are equivalent to a whole e.g. 99= 1, 189= 2 etc. | Use cubes, card, bar models and number lines to solve calculations.Spot, explain and correct errors.Solve problems.**SEN – L.O.** | FractionDenominatorNumeratorDifferenceTake awaySubtract | What do you notice about the numerator and denominator when a fraction is equal to one whole? | **Exceeding ARE:****At ARE:** **Below ARE:****SEND****PPG****EAL** |

****



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Day** | **Mental/Oral Starter** | **Main Lesson** | **Plenary** | **Assessment** |
|  | **Objectives** | **Activity** | **Objectives** | **Teaching** | **Activities** | **Key Vocabulary** | **Activity** |  |
| **Fri** |  |  | **L.O.****Success Criteria** |  | **SEN – L.O.** |  |  | **Exceeding ARE:****At ARE:** **Below ARE:****SEND****PPG****EAL** |

****