

Week 1 Number and Place Value

Context Opening a recycling factory

LI: Read and write numbers up to 10,000,000

LI: Know the value of each digit up to 10,000,000

LI: Order and compare numbers to 10,000,000

LI: Round whole numbers.

Week 2 Addition and Subtraction

Context Costing of setting up a recycling factory.

LI: Solve multistep problems

LI: Decide which method to use

LI: Explain why I used a method.

LI: Solve addition and subtraction word problems.

Week 3 Multiplication and Division

Context Boxing and packaging of recycled paper

LI: Multiply multi digit numbers up to 4 digit by a 2- digit number.

LI: Use a formal written method for multiplication.

LI: Divide numbers up to 3 digits by a 1-digit number using the formal written method

LI: Interpret remainders as whole numbers, fractions or rounding, as appropriate

At the Dump Recycling Factory

As an new owner of a recycling factory decide its name and where it will be. You have now until opening day to make sure it will be cost effective and run smoothly....



**Year 6
Autumn 1 2019**

Week 4 Properties of Shape

Context

Map out layout of factory by drawing shapes to represent different sections.

LI: Classify and compare geometric shapes based on their properties and sizes

LI: Draw 2d shapes using given dimensions and angles

LI: Recognise and build simple 3d shapes including making nets

Week 5 Measurement

Context Calculation of ingredients for recycling machine

LI: Solve problems involving calculation and conversion of units of measure

LI: Read, write and convert units of measure up to 3 decimal places

LI: Convert between miles and km

LI: Calculate the volume of shapes

Week 6 Fractions and percentages

Context What is coming into the factory?

LI: Use common factors to simplify fractions

LI: Use common multiples to express fractions in same denomination

LI: Compare and order fractions including those bigger than one

Week 7 Data Handling

Context Factory up and running!

LI: Interpret and construct pie charts

LI: Use pie charts to solve problems

LI: Calculate the mean as an average