Year 3 maths- aim to recognise different types of lines:-

Horizontal line ——————

Vertical lines |

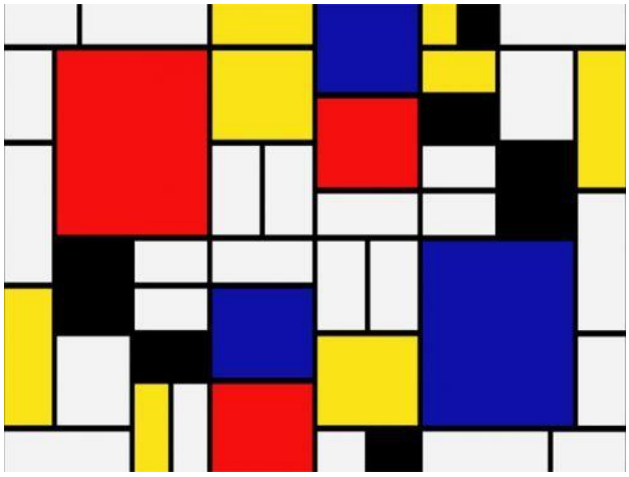
Parallel lines ═══

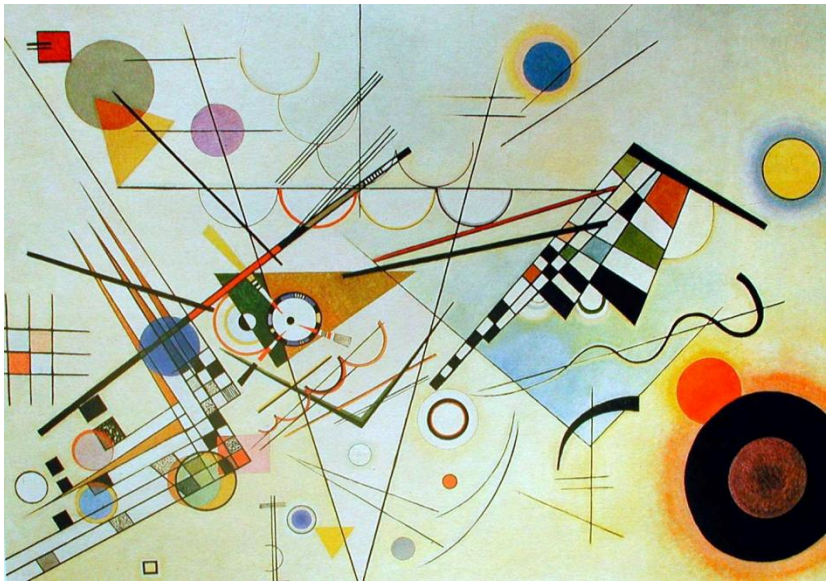
Perpendicular lines ⌐

lines that join with a right angle.

Task 1

Which types of lines can you see in these paintings? If you can print out the paintings, highlight each type of line in a different colour OR point out the different lines to someone in your house.





Task 2

Look around your house, how many vertical lines can you see? How many horizontal lines? Parallel lines? Perpendicular lines?

Which lines are there most of?

Draw a picture using only these types of lines. Colour code the lines – e.g. use blue for all the horizontal lines, yellow for the vertical lines .....

Task 3

Aim :- to recognise and name 3D shapes and their properties.

Look at resource sheet shape 3. Answer the questions on the sheet.

Then write down the properties of each shape – how many vertices, faces and edges does each shape have?

If you are unsure I have also included a 3D shape sheet that should help you.

Task 4

Look at the resource sheet shape sheet 4. Answer the questions on the sheet.

Can you make your own shape sculpture like the one on the sheet, use 3D shapes that you can find or make out of recycling or objects you have. Tell someone in your house all the different shapes you have managed to use.

Task 5

What shape could I be thinking of?

1. I put my hand into a bag and feel a shape, I can feel a square face. What could my shape be?
2. I put my hand into a bag and feel a shape, I can feel a rectangular face. What could my shape be?
3. I put my hand into a bag and feel a shape, I can feel a triangular face. What could my shape be?
4. I put my hand into a bag and feel a shape, I can feel a square and a triangular face. What could my shape be?

5. I put my hand into a bag and feel a shape, I can feel a pentagonal and rectangular face. What could my shape be?

   Look at shape resource sheet 5 and answer the questions. Use a page from your maths book to copy and cut out the nets of cubes.