

A Number Fun Quick Link Guide for:



White Rose Maths



Year: 



Geometry: Position & Direction

Autumn Term 2021:

Block: 

Week: 

Here is a quick reference guide to help you link the White Rose Planning with the Number Fun Resources.

This document contains hyperlinks to:

Key Number Fun Song Video – the ideal video to help children begin to explore this small step.

Additional Number Fun Links – additional resources to support and extend the learning within this small step.

Check out our [Guide to using Number Fun Videos and Portal effectively](#). Many Number Fun videos are accompanied by Teacher Ideas Packs, designed to provide creative games and activities to support the teaching of each objective.

For information about all the Number Fun Training, Consultancy and Resources visit: www.numberfun.com.

Hyperlinks:



Click the Video Thumbnail

The hyperlink will take you to this song's page on the Number Fun Portal
(Note: You will need to log into the Number Fun Portal to access each song's resources.)



Click the Icon Thumbnail to hyperlink to this resource in the Number Fun online Shop



Click the Concept Teaching Video Thumbnail to hyperlink directly to the video

Year: 

Autumn Week: 

Geometry: Position & Direction

Top Number Fun Warm-Up Suggestions



In the Mini Adventure video (from the Lower Key Stage 2 phase) a spider goes on an adventure with a mixture of moving forward and backwards accompanied by a variety of turns. He always ends back at the origin. A simple starting block of learning.



Rock the Clock helps children equate digital and analogue clock times with the 24-hour clock. Watch out - this one is very catchy!

Top Number Fun Shop Suggestions

All shop suggestions are downloads unless highlighted otherwise.



Perimeter (& Area) Pages

This PDF includes pages with shapes against a centimetre square grid. Add the scales on the x and y axis and challenge children to find the coordinates of the vertices on each shape.



Number Fun Zoo - 100 Square

This carefully designed 100 square equips children to explore a host of themes, including Co-ordinates. Mark on the hundred square either one or 4 quadrants. Children record the co-ordinates of the vertices of the cage each type of animal is housed in.

Small Steps

1: The first quadrant



Take a set of screenshots from this Mini Adventure video (e.g., at 0:45). On the interactive whiteboard label the axis and discuss the nearest coordinates for each fly. What 4 co-ordinates surround the spider, and could be made into a net to catch him?



Perimeter (& Area) Pages

This PDF includes pages with shapes against a centimetre square grid. Add the scales on the x and y axis and challenge children to find the coordinates of the vertices on each shape

2: Four quadrants



The Starship USS Number Fun is on a mission to destroy the evil Polygonian's Wormhole generator. It generates wormholes in one of the four quadrants. Introduce the video and discuss the concept of 4 quadrants.

Year:  6

Autumn Week:  1 2

Geometry: Position & Direction

3: Translations



The Starship USS Number Fun is able to utilise the Wormhole Neutraliser, but they are guessing which quadrant the wormhole is being generated in. They then have to apply translations into other quadrants. Focus on transformations in this small step.

4: Reflections



The Starship USS Number Fun is able to utilise 4 possible transformations in order to destroy the wormhole generator: They can reflect, rotate, resize and translate the wormhole neutraliser's output. Focus on sections of the story where the image is reflected.