Drawing and Desktop Publishing: Manipulating Lines

Aim:	Success Criteria:	Resources:
Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.	I can move objects.	**Lesson Pack**
	I can change the length and direction of lines.	Desktop computer, laptop or tablet with a drawing application.
	I can change the shape and size of shapes.	

	Key/New Words:	Preparation:
Teachers may choose their own context for the content of the drawing, but it could relate to the current topic or the artist Kandinsky. The lesson focuses on drawing different shapes and lines.	Draw, objects, shape, line, line colour, fill colour, forward, backward, front, back, group, ungroup, length, size.	
I can manipulate shapes and lines.		

Prior Learning:	Children need to have good mouse or trackpad control if using desktop or laptop; experience of using a painting application including painting shapes and lines.

Learning Sequence

Whole Class	**Drawing Versus Painting:** Recap the key skills learnt in the last lesson and remind children of ordering, grouping and ungrouping.	
	Change: Children open their drawing from the previous lesson and save as a new filename. Can the children change the shapes or lines they have used?	
	Manipulate: Demonstrate how to manipulate the shapes and lines on drawings.	
	Nodes: Point out that with some curved shapes and lines double clicking on the line will reveal 'nodes'. By moving these nodes the shape of the line can be changed.	
	Draw: Children continue their drawing, adding shapes and lines, manipulating them as they require. Be specific about certain criteria that are required for the drawing, both by particular tools used, or certain items that need to be drawn. Suggestions are on the slide, which is editable. Can they move objects? Can they change the length and direction of lines? Can they change the shape and size of shapes?	
	Share: Children share their drawings with a partner. Encourage the children to ask how the drawer achieved different effects.	
	Make Your Changes: Children have a little more time to respond to anything they have learned from their partner.	
Whole Class	**New Skills:** Ask one or two children to demonstrate what they have learned in the lesson. Review the skills learnt so far and point out that these are skills that can be used in many other applications, not just drawing applications. Line and shape tools, ordering and grouping are used in word processors, desktop publishers, presentation applications and interactive whiteboard applications. (Sometimes applications appear to have the features of both painting and drawing, like whiteboard applications, although painting will still create an object that can be moved.)	

Task*it*

Reshapeit: Children to look at recreating a Dali-style melted object art work, by adjusting the shapes of regular objects.

Resizeit: Children make a drawing they have created both larger and smaller in order to produce a fun ordering activity for younger pupils.

Recolourit: Children to use their skills to recolour their picture.

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