



Drake Class
Year 5 and 6 Theme Home Learning Activities
Week beginning Monday 20/04/20



Geography

Map and Compass Exercises – Potato Contouring

Understanding contour lines and being able to visualise the lay of the land from studying contour lines on a map is a crucial skill in route planning. Underestimating a contour interval or the density of contours can be a dangerous mistake to make and a hard lesson to learn! This exercise should help you read and visualise contours and slopes.

Watch: <https://www.bbc.co.uk/bitesize/topics/zvsfr82/articles/zjdkhbk>

Items Required:

- Potatoes (preferably in different and odd shapes) or you could use playdough or plasticine.
- Marker or pen
- A ruler
- A knife

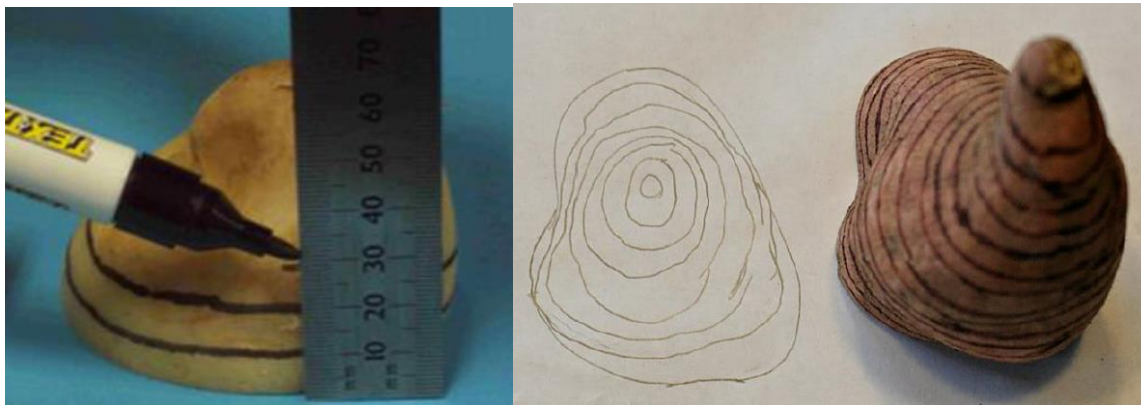
Method:

Step 1: With an adult, cut a potato in half. Measure 1cm from the base of the potato at multiple points around the potato and mark these intervals with dots. Join the dots to create your first contour.

Step 2: Repeat this step, measuring the next 1cm interval from your first contour and so on until you reach the top (or summit) of the potato.

Step 3: Trace the outline of the base of the potato on a sheet on paper. Observing the potato from an aerial view, draw each of the contour lines as a 2D depiction of the potato.

Step 4: Discuss the various slopes visible on the potato and on your 2D drawing. If the potato were a mountain, from which side would you attack the summit? From which side would you descend?



Step 5: Look at the walk you planned last week – or a new walk. Can you see by using the OS map (attached below) whether you will be climbing or descending any hills? Would you now choose a different route? Look at the symbols on the map and **create your own key** (see key/legend from OS Maps below – but don't make yours this complicated!)

Bonus Activity – find a hill on the local map (Sampford, Culmstock or online look at Exmoor or Dartmoor) and see if you can make a 3D model of it out of playdough, plasticine or even papier maché.

Art:

Choose a local landmark and draw/paint an illustration of it – obviously you can't sit outside at the moment and draw it but you could search for an image or take a picture on your daily exercise. Think about the layout of the illustration, the colours – or will it be better in black and white pencil?

D.T

Look at doing some cooking or baking. Don't forget to design, make and evaluate it. Under the supervision of an adult can you learn a new cooking skill? Remember to stay safe. Could you design a pizza and prepare the shopping list, create your own dough (flour is scarce at the moment but some supermarkets do pizza dough packets), choose your own toppings, prepare it, cook it, eat it and then evaluate it. Was it any good? Did others enjoy it? What would you change next time? Was the cooking time right? It has been great seeing a lot of you baking already so it would be good to know what they tasted like – as they looked amazing!

R.E

Watch the assembly created by Robin: <https://www.youtube.com/watch?v=YXzC3ZagPRs&feature=youtu.be>

P.E

It would be really great to continue to **focus on fitness** so the children could repeat the circuit that we have set up in school.

1 minute on and 2 minutes off of: squats, press up, skips, side jumps, burpees and star jumps. Or you could log in to YouTube – **Joe Wicks** – 'The Fitness Coach' is streaming live at 9am on Monday morning.

Check out <https://www.youtube.com/playlist?list=PLyCLOpd4VxBvPHOpzoEk5onAEbq40g2-k> for loads of 5/8 minute workouts.

Science

Lots of you are already growing things in your garden. Can you choose some plants to grow? When and how do you need to plant them? Where do they need to be kept? How should they be cared for? When will they flower or produce fruit?











Any electronic work they produce can be uploaded to their Seesaw account or you can upload a photograph or even a video. Alternatively you can send it to drake@sampford.org.uk

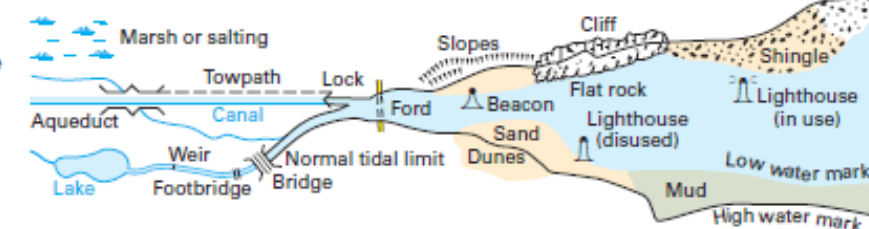
I am really looking forward to seeing the work you produce!

	Track multiple or single
	Track under construction
	Siding
	Tunnel
	Light rapid transit system, narrow gauge or tramway

	Bridges / Footbridge
	Level crossing
	Viaduct
	Station, (a) principal
	Light rapid transit syst station

	Electricity transmission line (pylons shown at standard spacing)
	Pipe line (arrow indicates direction of flow)
	Buildings
	Public building (selected)
	Bus or coach station











	Place of worship	with tower
		with spire, minaret or dome
		without such additions
	Chimney or tower	
	Glass structure	
	Heliport	
	Triangulation pillar	
	Mast	
	Wind pump / wind generator	
	Windmill with or without sails	



	Orchard / Park or ornamental ground
	Spoil heap, refuse tip or dump
	Coniferous wood
	Non-coniferous wood
	Mixed wood
	Cutting / embankment
	Quarry
	Contours are at 10 metres vertical interval
	Heights are to the nearest metre above mean sea level

	Service area
	Junction number
	Elevated
	M1
	Unfenced
	Footbridge
	Dual carriageway
	A 470
	A 493
	B 4518
	A 855
	Bridge
	B 885
	Path / Other road, drive or track

	Motorway (dual carriageway)
	Motorway under construction
	Primary Route
	Main road
	Primary Route / Main road under construction
	Secondary road
	Narrow road with passing places
	Road generally more than 4m wide
	Road generally less than 4m wide
	Path / Other road, drive or track

	Place of worship	with tower
		with spire, minaret or dome
		without such additions
	Chimney or tower	
	Glass structure	
	Heliport	
	Triangulation pillar	
	Mast	
	Wind pump / wind generator	
	Windmill with or without sails	