

Science and the Wider Curriculum - Planning and Ideas



Week Commencing: Monday 21st June 2021

Year Groups: Years 3 and 4

	Monda	Tuesday	Wednesday	Thursday	Friday
Area of Learning	Subject: Geography L.C Can you sketch a map?	Subject: Geography L.C Can you use and create symbols?	Subject: Geography L.C Can you finish and evaluate your light?	Subject: Science L.C: Can you create a beam bridge?	Subject: PE Faster Higher Further
Activity	<p>This week we are starting our Geography topic – Land Use.</p> <p>It will involve some field work – normally this will be going out into the community to do some geographical research. This is limited at the moment so we are going to concentrate on the land use of our school grounds.</p> <p>Today we will be looking at <i>sketch maps</i>. Follow the powerpoint which explains the use of sketch maps and how to complete one.</p> <p><u>Your task today:</u></p> <p>Complete the What I See activity sheet choosing your</p>	<p>Using a map is so useful when looking at Land Use. We can see lots of details and images but what do they mean?</p> <p>Have a look at some maps – can you see any symbols? What do those symbols mean and how do you know?</p> <p>Follow the powerpoint uploaded on to the Virtual Classroom which explains about symbols and keys.</p> <p><u>Your task today:</u></p> <p>Use some symbols and a key to add to your sketch map – you can use the ones provided on the activity sheet or even create ones of your own. Remember that</p>	<p>Today we are beginning our field work – we’re getting outside. We would ideally be doing this in our community but, for now, we will be using our school grounds.</p> <p>Look at our school grounds on Google Earth – what do you notice?</p> <p>Now, take these ideas and go outside surveying the school grounds looking at the Land Use of school – greenery, buildings, roads and paths etc.</p> <p><u>Your task today:</u></p> <p>Take your sketch map outside – is there anything you need to add or change?</p>	<p>Show children Slide 2 of a Truss bridge. Give them about two minutes and ask them to count how many triangles they can see. Ask them to discuss why they think this bridge was built using so many triangles.</p> <p>Show children Slide 3 and ask them to use their spaghetti and mini marshmallows to make the different shapes to carry out comparative tests to find out which one keeps its shape best. They should use the marshmallows to attach the pieces of spaghetti. Children should observe that the triangle is the best shape.</p> <p>Now show children Slide 4 and ask them to make the cube using their spaghetti and marshmallows. They should test it to see how</p>	<p>This week we will begin by looking at the world of Outdoor Athletics.</p> <p>Uploaded onto the Virtual Classroom you will find our core tasks .</p>

	own level of challenge (1-3 stars)	symbols on a map are usually simple drawings.	Think about the size of areas in relation to each other.	<p>strong it is and then make another using triangles to find out whether they can be used to make the shape stronger.</p> <p>Show children Slide 5 and ask them to discuss what they think would happen if the engineer who built the bridge did not use triangles. Now ask them why they think so many triangles are used in the construction of the bridge. Challenge them to use their observations from their comparative tests in their answer.</p> <p>Now challenge children to use their knowledge of triangles as a strong structure to make a beam bridge which is stronger than the beam bridge they made in the first lesson.</p>	
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Where can I complete further work?

[Twinkl](#) – Subscription service used by schools is offering a free premium service for teachers, parents and children to use whilst schools are closed. Enter the code **UKTWINKLHELPS** for access to worksheets, powerpoints and interactive games to support all areas of learning.

[Classroom Secrets](#) – Free Maths, Reading and Grammar home learning packs and interactive resources for all ages.

[BBC Bitesize Primary](#) – Free learning resources available for KS1 and KS2 across all subjects.