

Willow Remote Learning Schedule for Thursday 8th July 2021

Literacy: To build persuasive vocabulary to use in our advert -

<https://classroom.thenational.academy/lessons/to-build-persuasive-vocabulary-to-use-in-our-advert-ctk3ed?activity=video&step=1>

Don't forget to pause, when it suggests, and carry out the activities.

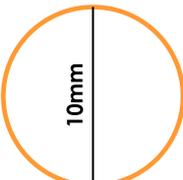
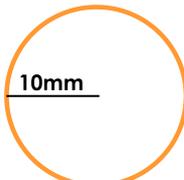
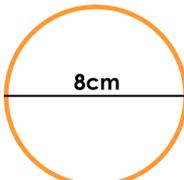
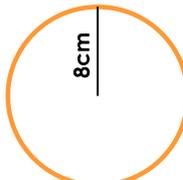
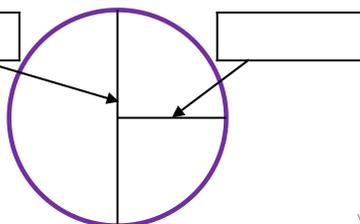
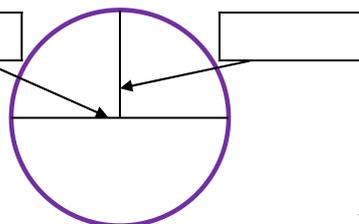
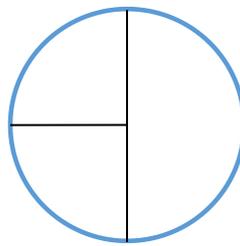
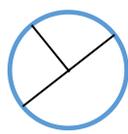
Maths: <https://vimeo.com/527957182> - watch the 'Circles' tutorial then complete your Classroom Secret Activities (D, E or GD). See below for the 'Varied Frequency' and the 'Problem Solving and Reasoning' activities – select the differentiated work you normally complete in class. You don't have to print the resources just make a note of your answers.

Varied Frequency:

Developing Activity:

Circles

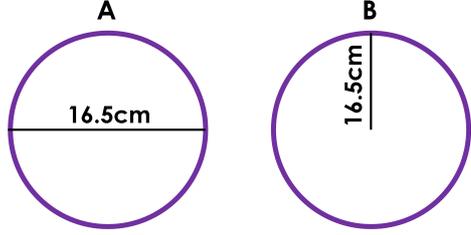
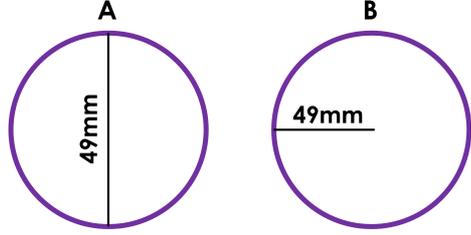
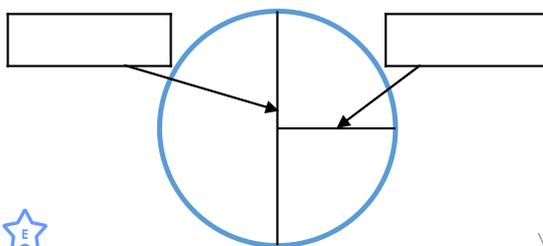
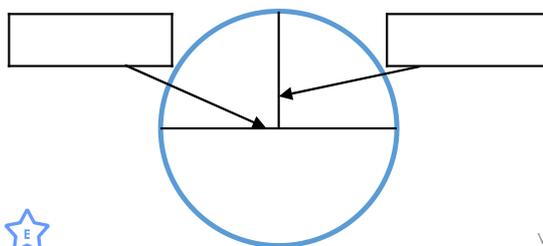
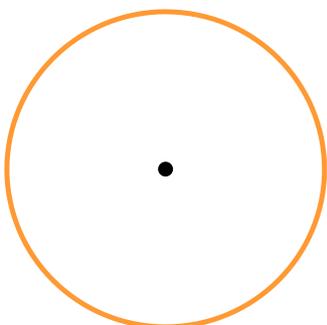
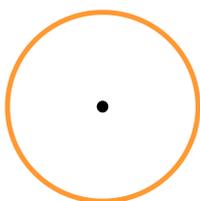
Circles

<p>1a. Tick the circle which has a radius of 10mm.</p> <p>A  B </p> <p><input type="checkbox"/> <input type="checkbox"/></p> <p> VF</p>	<p>1b. Tick the circle which has a diameter of 8cm.</p> <p>A  B </p> <p><input type="checkbox"/> <input type="checkbox"/></p> <p> VF</p>
<p>2a. Use the measurements below to label the radius and diameter.</p> <p>6cm 12cm</p> <p><input type="text"/> </p> <p><input type="checkbox"/> <input type="checkbox"/></p> <p> VF</p>	<p>2b. Use the measurements below to label the radius and diameter.</p> <p>10mm 5mm</p> <p><input type="text"/> </p> <p><input type="checkbox"/> <input type="checkbox"/></p> <p> VF</p>
<p>3a. Match each diameter to its radius.</p> <p>16m 4m</p> <p>8m 8m</p> <p>4m 7m</p> <p><input type="checkbox"/> 14m 2m</p> <p> VF</p>	<p>3b. Match each radius to its diameter.</p> <p>3m 24m</p> <p>1m 18m</p> <p>12m 6m</p> <p><input type="checkbox"/> 9m 2m</p> <p> VF</p>
<p>4a. Use your ruler to measure the radius and diameter.</p> <p></p> <p><input type="checkbox"/> <input type="checkbox"/></p> <p> VF</p>	<p>4b. Use your ruler to measure the radius and diameter.</p> <p></p> <p><input type="checkbox"/> <input type="checkbox"/></p> <p> VF</p>

Expected Activity:

Circles

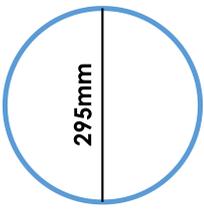
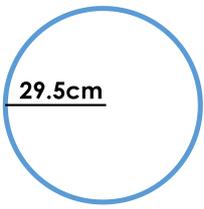
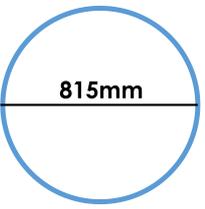
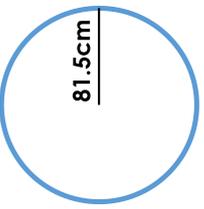
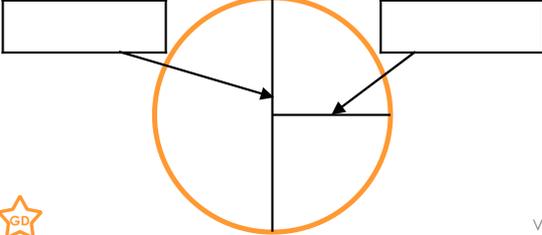
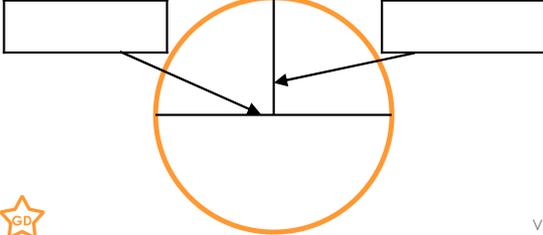
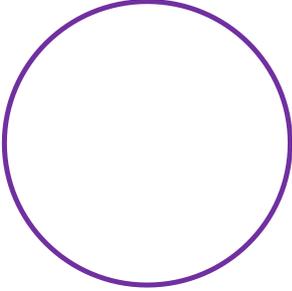
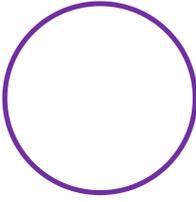
Circles

<p>5a. Tick the circle which has a radius of 16.5cm.</p> <p style="text-align: center;">A B</p>  <p style="text-align: left;"> VF</p>	<p>5b. Tick the circle which has a diameter of 49mm.</p> <p style="text-align: center;">A B</p>  <p style="text-align: left;"> VF</p>																
<p>6a. Use the measurements below to label the radius and diameter.</p> <p style="text-align: center;">54mm 27mm</p>  <p style="text-align: left;"> VF</p>	<p>6b. Use the measurements below to label the radius and diameter.</p> <p style="text-align: center;">9.5cm 19cm</p>  <p style="text-align: left;"> VF</p>																
<p>7a. Match each diameter to its radius.</p> <table style="width: 100%; border: none;"> <tbody> <tr> <td style="width: 50%;">91m</td> <td style="width: 50%;">43.5m</td> </tr> <tr> <td>87m</td> <td>37.5m</td> </tr> <tr> <td>63m</td> <td>45.5m</td> </tr> <tr> <td> 75m</td> <td>31.5m</td> </tr> </tbody> </table> <p style="text-align: left;">VF</p>	91m	43.5m	87m	37.5m	63m	45.5m	 75m	31.5m	<p>7b. Match each radius to its diameter.</p> <table style="width: 100%; border: none;"> <tbody> <tr> <td style="width: 50%;">49.5m</td> <td style="width: 50%;">107m</td> </tr> <tr> <td>53.5m</td> <td>99m</td> </tr> <tr> <td>25.5m</td> <td>83m</td> </tr> <tr> <td> 41.5m</td> <td>51m</td> </tr> </tbody> </table> <p style="text-align: left;">VF</p>	49.5m	107m	53.5m	99m	25.5m	83m	 41.5m	51m
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<p>8a. Use your ruler to draw and measure the radius and diameter.</p>  <p style="text-align: left;"> VF</p>	<p>8b. Use your ruler to draw and measure the radius and diameter.</p>  <p style="text-align: left;"> VF</p>																

Greater Depth Activity:

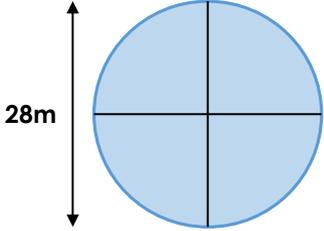
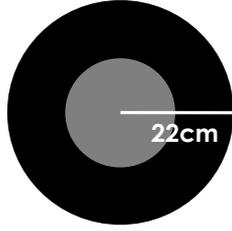
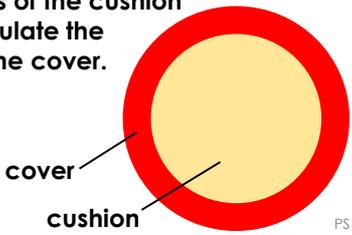
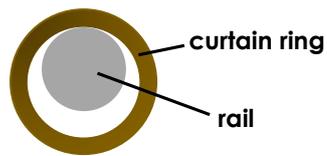
Circles

Circles

<p>9a. Tick the circle which has a radius of 295mm.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>A</p>  </div> <div style="text-align: center;"> <p>B</p>  </div> </div> <p style="text-align: left; margin-top: 10px;"> VF</p>	<p>9b. Tick the circle which has a diameter of 81.5cm.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>A</p>  </div> <div style="text-align: center;"> <p>B</p>  </div> </div> <p style="text-align: left; margin-top: 10px;"> VF</p>																
<p>10a. Use the measurements below to label the radius and diameter.</p> <div style="display: flex; justify-content: space-around; align-items: center; margin-bottom: 10px;"> <p>7.5m</p> <p>375cm</p> </div> <div style="text-align: center;">  </div> <p style="text-align: left; margin-top: 10px;"> VF</p>	<p>10b. Use the measurements below to label the radius and diameter.</p> <div style="display: flex; justify-content: space-around; align-items: center; margin-bottom: 10px;"> <p>0.9m</p> <p>450mm</p> </div> <div style="text-align: center;">  </div> <p style="text-align: left; margin-top: 10px;"> VF</p>																
<p>11a. Match each diameter to its radius.</p> <table style="width: 100%; border: none;"> <tbody> <tr> <td style="width: 50%;">5m</td> <td style="width: 50%;">675mm</td> </tr> <tr> <td>13.5cm</td> <td>250cm</td> </tr> <tr> <td>94mm</td> <td>850cm</td> </tr> <tr> <td> 17m</td> <td>4.7cm</td> </tr> </tbody> </table> <p style="text-align: left; margin-top: 10px;">VF</p>	5m	675mm	13.5cm	250cm	94mm	850cm	 17m	4.7cm	<p>11b. Match each radius to its diameter.</p> <table style="width: 100%; border: none;"> <tbody> <tr> <td style="width: 50%;">35cm</td> <td style="width: 50%;">83cm</td> </tr> <tr> <td>415mm</td> <td>150cm</td> </tr> <tr> <td>0.75m</td> <td>0.39m</td> </tr> <tr> <td> 19.5cm</td> <td>700mm</td> </tr> </tbody> </table> <p style="text-align: left; margin-top: 10px;">VF</p>	35cm	83cm	415mm	150cm	0.75m	0.39m	 19.5cm	700mm
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<p>12a. Use your ruler to draw and measure the radius and diameter.</p> <div style="text-align: center; margin-top: 20px;">  </div> <p style="text-align: left; margin-top: 10px;"> VF</p>	<p>12b. Use your ruler to draw and measure the radius and diameter.</p> <div style="text-align: center; margin-top: 20px;">  </div> <p style="text-align: left; margin-top: 10px;"> VF</p>																

Problem Solving and Reasoning:

Developing Activity:

<u>Circles</u>	<u>Circles</u>
<p>1a. Jeremy says,</p>  <p>If the radius of a circle is 11cm then the diameter must be 20cm.</p> <p>Is he correct? Explain your answer.</p> <p> R</p>	<p>1b. Dion says,</p>  <p>If the diameter of a circle is 26cm then the radius must be 12cm.</p> <p>Is he correct? Explain your answer.</p> <p> R</p>
<p>2a. Find the radius of the glass in the window.</p>  <p>28m</p> <p>Explain how you know.</p> <p> <i>Diagram not to scale</i> R</p>	<p>2b. Find the diameter of the wheel.</p>  <p>22cm</p> <p>Explain how you know.</p> <p> <i>Diagram not to scale</i> R</p>
<p>3a. A cushion needs a larger cover.</p> <p>The cover is $\frac{1}{4}$ bigger than the cushion.</p> <p>i) If the cushion diameter is 40cm, calculate the cover diameter.</p> <p>ii) If the radius of the cushion is 12cm, calculate the diameter of the cover.</p>  <p> PS</p>	<p>3b. New curtain rings are needed for a rail.</p> <p>Each ring is $\frac{1}{4}$ bigger than the rail.</p> <p>i) Calculate the diameter of the curtain ring if the rail radius is 30mm.</p> <p>ii) If the rail had a diameter of 64mm, what will the radius of the curtain ring be?</p>  <p> PS</p>

Expected Activity:

Circles

Circles

<p>4a. Amelia says,</p> <div style="display: flex; align-items: center; margin: 10px 0;"> <div style="border: 1px solid black; border-radius: 15px; padding: 5px; width: fit-content;"> <p>If the radius of a circle is 67.5mm then the diameter must be 130mm.</p> </div> </div> <p>Is she correct? Explain your answer.</p> <div style="display: flex; justify-content: space-between; align-items: center;"> ★ R </div>	<p>4b. Jessie says,</p> <div style="display: flex; align-items: center; margin: 10px 0;"> <div style="border: 1px solid black; border-radius: 15px; padding: 5px; width: fit-content;"> <p>If the diameter of a circle is 99cm then the radius must be 50cm.</p> </div> </div> <p>Is she correct? Explain your answer.</p> <div style="display: flex; justify-content: space-between; align-items: center;"> ★ R </div>												
<p>5a. Find the radius of the pie.</p> <div style="text-align: center; margin: 10px 0;"> </div> <p>Explain how you know.</p> <div style="display: flex; justify-content: space-between; align-items: center;"> ★ <i>Diagram not to scale</i> R </div>	<p>5b. Find the diameter of the pizza.</p> <div style="text-align: center; margin: 10px 0;"> </div> <p>Explain how you know.</p> <div style="display: flex; justify-content: space-between; align-items: center;"> ★ <i>Diagram not to scale</i> R </div>												
<p>6a. New lenses are needed for some glasses. The frames must be $\frac{1}{7}$ bigger than the lenses. Calculate the missing sizes.</p> <div style="text-align: center; margin: 10px 0;"> </div> <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="padding: 5px;">Lens Radius</th> <th style="padding: 5px;">Frame Diameter</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">28mm</td> <td style="padding: 5px;"> </td> </tr> <tr> <td style="padding: 5px;">35mm</td> <td style="padding: 5px;"> </td> </tr> </tbody> </table> <div style="display: flex; justify-content: space-between; align-items: center;"> ★ PS </div>	Lens Radius	Frame Diameter	28mm		35mm		<p>6b. There is a hoop on a buzzer game. The hoop must be $\frac{1}{5}$ bigger than the wire. Calculate the missing sizes.</p> <div style="text-align: center; margin: 10px 0;"> </div> <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="padding: 5px;">Wire Radius</th> <th style="padding: 5px;">Hoop Diameter</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">35mm</td> <td style="padding: 5px;"> </td> </tr> <tr> <td style="padding: 5px;">55mm</td> <td style="padding: 5px;"> </td> </tr> </tbody> </table> <div style="display: flex; justify-content: space-between; align-items: center;"> ★ PS </div>	Wire Radius	Hoop Diameter	35mm		55mm	
Lens Radius	Frame Diameter												
28mm													
35mm													
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Greater Depth Activity:

Circles

Circles

<p>7a. Grace says,</p> <div style="display: flex; align-items: center; margin: 10px 0;"> <div style="border: 1px solid black; border-radius: 15px; padding: 5px; text-align: center;"> <p>If the radius of a circle is 795mm then the diameter must be 15.9cm.</p> </div> </div> <p>Is she correct? Explain your answer.</p> <div style="text-align: left; margin-top: 10px;"> R </div>	<p>7b. Ali says,</p> <div style="display: flex; align-items: center; margin: 10px 0;"> <div style="border: 1px solid black; border-radius: 15px; padding: 5px; text-align: center;"> <p>If the diameter of a circle is 1.07m then the radius must be 51.5cm.</p> </div> </div> <p>Is he correct? Explain your answer.</p> <div style="text-align: left; margin-top: 10px;"> R </div>																								
<p>8a. Find the radius of the clock face in cm.</p> <div style="text-align: center; margin: 10px 0;"> </div> <p>Explain how you know.</p> <div style="text-align: left; margin-top: 10px;"> R </div>	<p>8b. Find the diameter of the rainbow rubber in mm.</p> <div style="text-align: center; margin: 10px 0;"> </div> <p>Explain how you know.</p> <div style="text-align: left; margin-top: 10px;"> R </div>																								
<p>9a. The diameter of each cellophane wrapper needs to be 39mm larger than the diameter of the trinket.</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr style="background-color: #e0e0e0;"> <th>Trinket Radius</th> <th>Cellophane Diameter</th> <th>Number per metre</th> </tr> </thead> <tbody> <tr> <td>1.2cm</td> <td></td> <td></td> </tr> <tr> <td>3.6cm</td> <td></td> <td></td> </tr> <tr> <td>4.9cm</td> <td></td> <td></td> </tr> </tbody> </table> <p>If the cellophane is 1m wide, calculate the number of trinket wrappers that can fit on one row.</p> <div style="text-align: left; margin-top: 10px;"> PS </div>	Trinket Radius	Cellophane Diameter	Number per metre	1.2cm			3.6cm			4.9cm			<p>9b. The diameter of each fairy cake topper needs to be 12mm larger than the radius of the fairy cake.</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr style="background-color: #e0e0e0;"> <th>Fairy Cake Diameter</th> <th>Cake Topper Diameter</th> <th>Number per 50cm</th> </tr> </thead> <tbody> <tr> <td>5.2cm</td> <td></td> <td></td> </tr> <tr> <td>4.6cm</td> <td></td> <td></td> </tr> <tr> <td>4.4cm</td> <td></td> <td></td> </tr> </tbody> </table> <p>If fairy cake toppers are stamped from a 50cm wide piece of material, calculate the number of toppers that can fit on one row.</p> <div style="text-align: left; margin-top: 10px;"> PS </div>	Fairy Cake Diameter	Cake Topper Diameter	Number per 50cm	5.2cm			4.6cm			4.4cm		
Trinket Radius	Cellophane Diameter	Number per metre																							
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The Features of the River (Geography) – We've already looked at the main rivers of the United Kingdom and the World. It is now time to learn about the features of the river. You'll learn the technical names and be able to define what each one means and where it is located on the journey of the river. Use the words at the bottom of the sheet to remind and help you. Watch the following clips:

<https://www.youtube.com/watch?v=llK3bgjiEEk>

<https://www.youtube.com/watch?v=Zh0J5mTwCco>

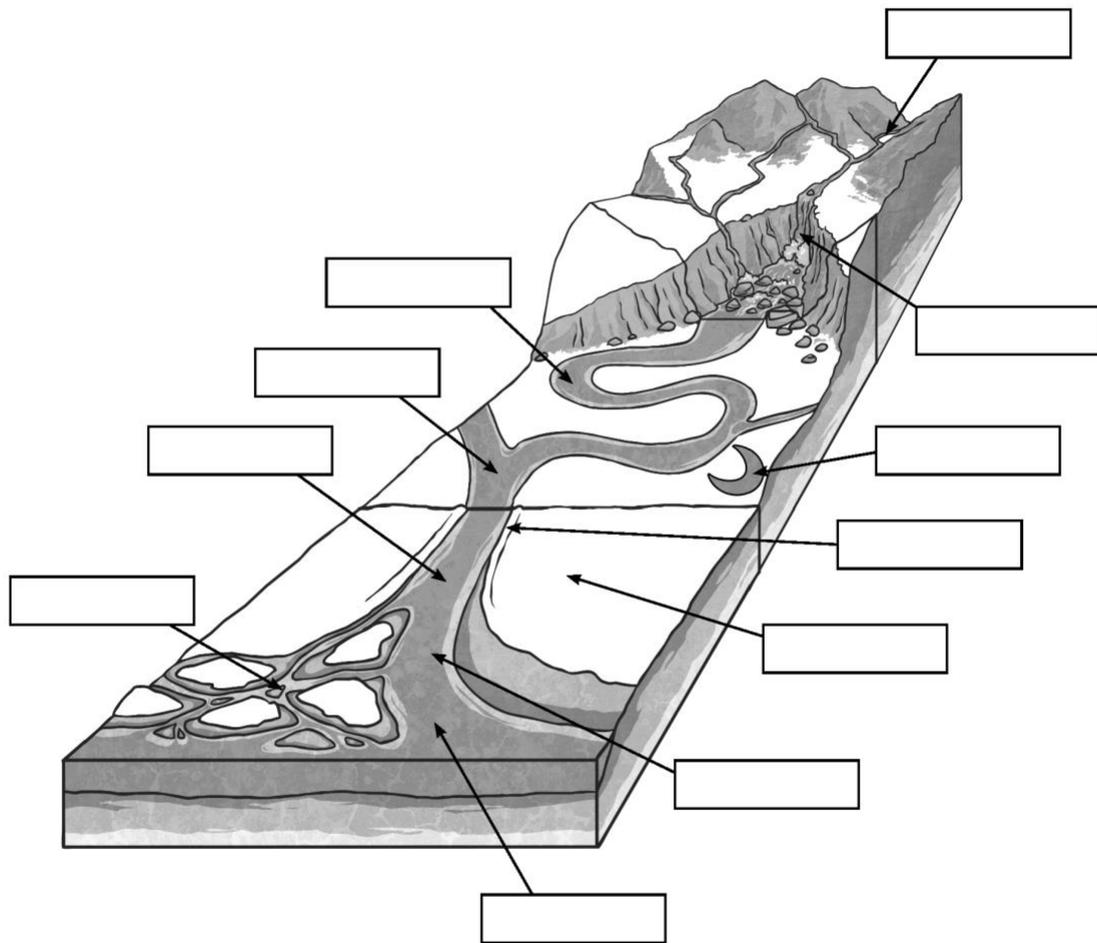
<https://www.youtube.com/watch?v=fdMmzY7XjFo>

If necessary watch the clips a couple of times then complete the activity, if you can print it out. If you can't print the sheet, write the terms and define each one in your book or on plain paper.



River Features

Use the labels at the bottom of the page to identify each of the parts of the river system.



channel	confluence	delta	estuary	floodplain	levee
meander	mouth	oxbow lake	source	waterfall	

That's it today, go on the website tomorrow for your last day of remote learning work. Don't forget to read for 15 minutes and update your reading record.

Have a good evening.

Mr Wilmot