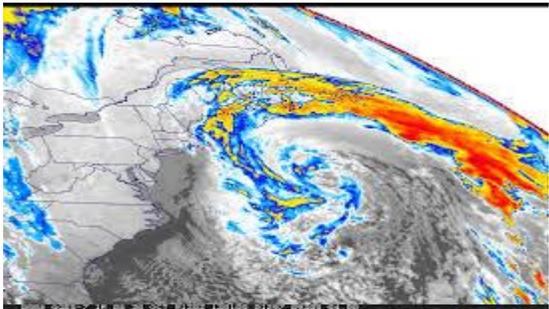


River Bank Primary Knowledge Organiser	Year 4	Computing – Summer 2	We are meteorologists
What we will learn		Websites and links	
<p><u>'We are</u> This half term the unit we will be studying brings together data measurement, analysis and presentation, as you take on the role of meteorologists (a weather forecaster) and weather presenters.</p> <p>This half term the work will enable you to:</p> <ul style="list-style-type: none"> <li>• understand different measurement techniques for weather, both analogue and digital</li> <li>• use computer-based data logging to automate the recording of some weather data</li> <li>• use spreadsheets to create charts analyse data, explore inconsistencies in data and make predictions</li> <li>• practise using presentation software.</li> </ul> <p>Modern meteorology relies on computers. Weather stations collect data, sophisticated computer models create forecasts from this data, and TV weather programmes use computer graphics to present the forecasts. In this unit, you will be using and combining a variety of software, which will include apps and internet services, to collect weather data, perform some analysis and evaluation, and then present the data in an appropriate way for your target audience.</p> <p>(information from 'Rising Stars Computing')</p>		<p><u>Information and ideas</u> The education portal of the Royal Meteorological Society: <a href="http://www.metlink.org">www.metlink.org</a> Advice from the Royal Meteorological Society on using automatic weather stations: <a href="http://www.metlink.org/observations-data/automaticweather-stations.html">www.metlink.org/observations-data/automaticweather-stations.html</a> The LGfL/NEN weather monitoring system: <a href="http://weather.lgfl.org.uk">http://weather.lgfl.org.uk</a> Weather Underground: <a href="http://www.wunderground.com">www.wunderground.com</a> Past weather data from the Met Office: <a href="http://www.metoffice.gov.uk/education/teachers/pastweather-data">www.metoffice.gov.uk/education/teachers/pastweather-data</a> BBC Radio 4 shipping forecast: <a href="http://www.bbc.co.uk/programmes/b006qfvv">www.bbc.co.uk/programmes/b006qfvv</a> <u>Online tutorials</u> Get started with Excel 2013: <a href="http://office.microsoft.com/en-gb/support/getting-started-with-excel-2013-FX102832586.aspx">http://office.microsoft.com/en-gb/support/getting-started-with-excel-2013-FX102832586.aspx</a> Overview of Google Sheets: <a href="https://support.google.com/drive/answer/140784?hl=en&amp;ref_topic=20322&amp;rd=1">https://support.google.com/drive/answer/140784?hl=en&amp;ref_topic=20322&amp;rd=1</a></p>	
		<p><u>Things you can do at home</u></p> <ol style="list-style-type: none"> <li>1. Why not watch TV weather forecasts with your parents, discussing how accurate they are and perhaps considering how the forecasts are made.</li> <li>2. You could keep weather records at home as well as at school. You could simply write notes and/or take photographs in the early morning or evening.</li> <li>3. You could ask your parents to also make predictions about the weather over the next three days, comparing these and your own with the actual weather on those days.</li> </ol> <p>Remember to be SMART online:</p> <ul style="list-style-type: none"> <li>S – Stay Safe</li> <li>M – Don't Meet Up</li> <li>A – Accepting Files</li> <li>R – Reliable</li> <li>T – Tell Someone</li> </ul>  <p>Remember: use technology safely and respectfully, keeping personal information private! If there is anything you should talk to your parents or your teacher.</p>	

Quiz	<u>A</u>	<u>B</u>	<u>C</u>
What is a meteorologist?	A weather forecaster	A space forecaster	A news reader
Weather programmes use computer graphics to present the ...	sport.	forests.	forecast.
What does the T in the word SMART stand for?	Tag someone	Tell someone	Smell someone
Modern meteorology relies on ...	CDs.	computers.	credit cards.
Where would you seek advice on how to use an automatic weather stations?	BBC Radio 4	The Royal Meteorological Society	Excel 2013