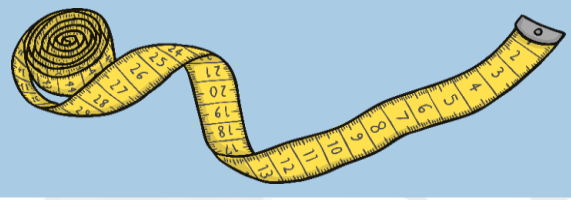
LO: to know there are different types of clouds and this is where rain comes from

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Check your Weather station

Can you remember how we are measuring the weather?



How are we measuring the temperature?

- What equipment are we using?
- What units are we measuring in?



How are we measuring the rainfall?

- What equipment are we using?
- What units are we measuring in?



How are we measuring the wind direction?

- What equipment are we using?
-



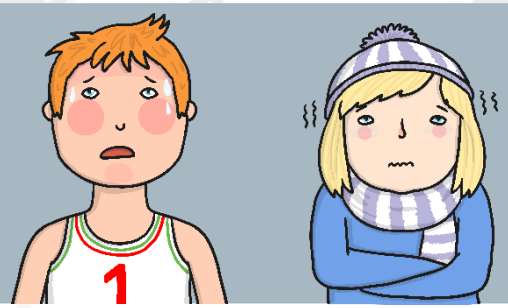
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Weather

What has the weather been like this week?



What has the temperature been like?



What clothes have you been wearing?



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What is a cloud?

- https://www.youtube.com/watch?v=ehW_F94ifRY
- Choose to watch a cloud in a jar or make your own!

- Explanation – The sky is very cold and when there is a lot of water vapour in the air a cloud forms. The water vapour in the cloud join together into little drops of water that fall to the ground – we call this rain!

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There are different clouds in the sky https://www.youtube.com/watch?v=yod3wMbFHUY

Watch the link.



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Cirrus clouds

Cirrus is the Latin word for a curl of hair.

Cirrus clouds look like curls of hair in the sky.

They are long and thin.

Rain never falls from cirrus clouds and they are usually seen when the weather is fine.

They are very high in the sky.



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Cumulus clouds

Cumulus is Latin for heap.

Cumulus clouds are clouds that are piled up on top of each other. They are puffy clouds.

Sometimes cumulus clouds are white and there are only a few of them in the sky; other times they can be heavy and grey.

When cumulus clouds are white and puffy, that usually means it's not going to rain right away. But if they grow into big grey clouds, you can expect rain. Then they are called cumulonimbus clouds because nimbus is the Latin word for rain.



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Stratus clouds

Stratus is the Latin word for layer and stratus clouds lie in layers across the sky.

They can cover the whole sky.

Stratus clouds can carry rain.

When these clouds carry rain they use the name nimbus (the Latin word for rain) as well as their own name

So stratus clouds that carry rain are stratonimbus clouds



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Task

- Draw (or make using cotton wool) the three different types of cloud. Write a sentence about each cloud.

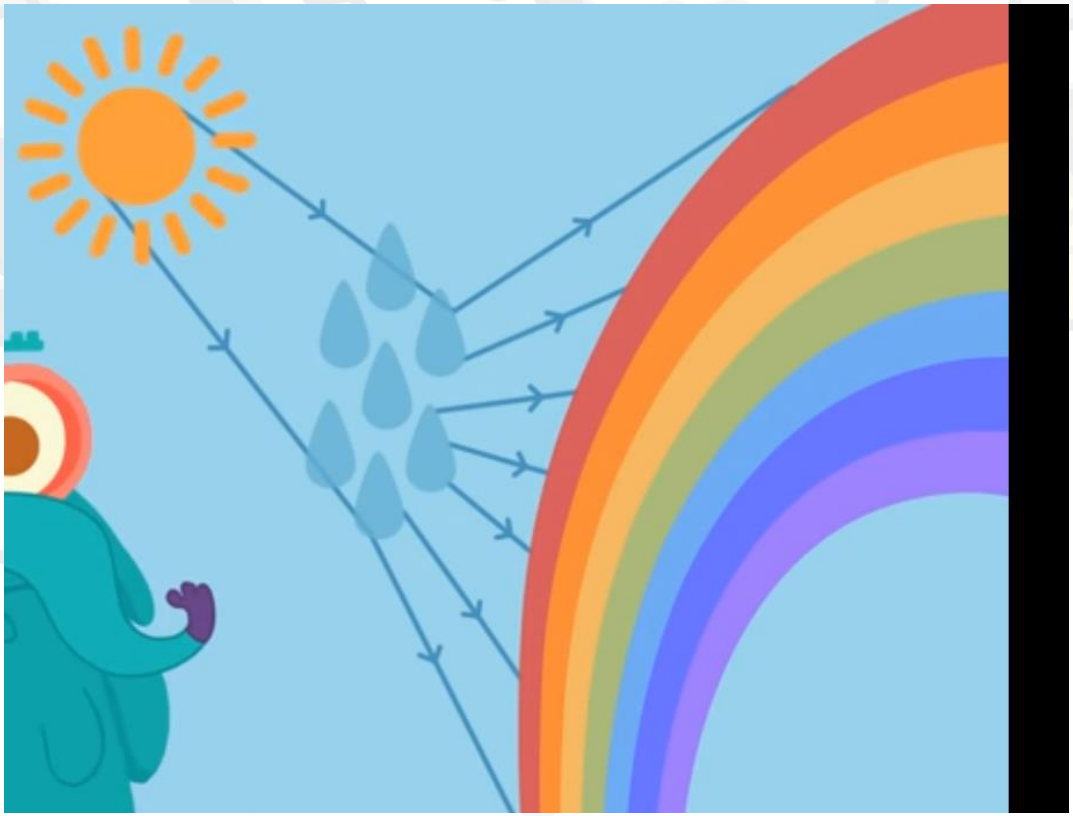
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How do rainbows form? Watch the link -

- https://www.youtube.com/watch?v=nCPPLhPTAIk

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Draw an explanation of how a rainbow is formed -



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The difference between fog and mist

- https://www.youtube.com/watch?v=zxKdzIpofas – explanation
- https://www.youtube.com/watch?v=TJ2Xgn-E8WA – what is fog MET office

- Fog and mist are like a cloud just close to the ground. They only happen when it is cold and damp. It has tiny water droplets in the air and they have got big enough for us to see them.

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Well done you know about the clouds and where rain comes from!

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