

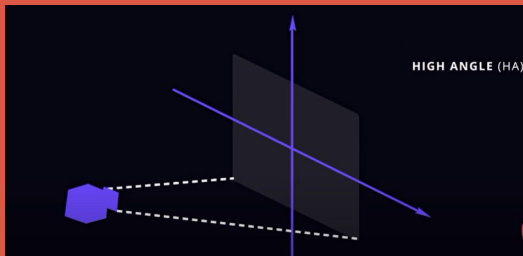
Big Careers on the small screen – Maths at work 1



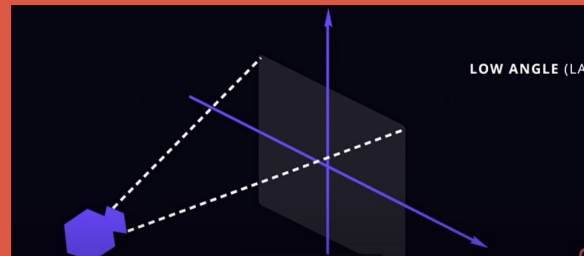
POWERED BY



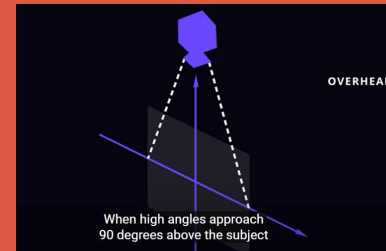
How are angles used to influence what an audience feels when watching a TV programme?



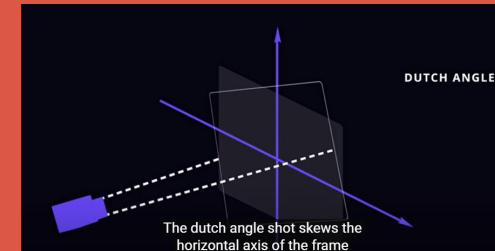
High Angle



Low Angle



Overhead Angle



Dutch Angle

Let's see this in practice...



← High Angle

→ Low Angle



4Schools.com

Let's see this in practice...



← Overhead shot

Dutch Angle →



How many different camera angles can you spot in this TV clip?



A "Camera Assistant" uses angles to make sure cameras are in the right place at the right time to capture the action on film



Big Careers on the small screen – Maths at work

2



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How maths skills are used to avoid costume disasters for actors & actresses...



Hear how scaling, ratios & fractions are used in Costume & prop design for TV



Big Careers on the small screen – Maths at work 3



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**How do you turn
1000's of hours of
film footage into a
60-minute TV
programme like
Gogglebox?**



Hear how an Editor uses Maths skills in their job



Jake Whiston
Editor, Holywell

Try an editing job yourself

One possible answer is...



12 Minutes
Increase Speed
by 300%

New Time =



26 Minutes
Increase Speed
by 200%

New Time =



40 Minutes
Increase Speed
by 250%

New Time =



100 Minutes
Increase speed
by 400%

New Time =



4 Minutes 30
seconds
Increase speed
by 225%

New Time =

Big Careers on the small screen – Maths at work 4



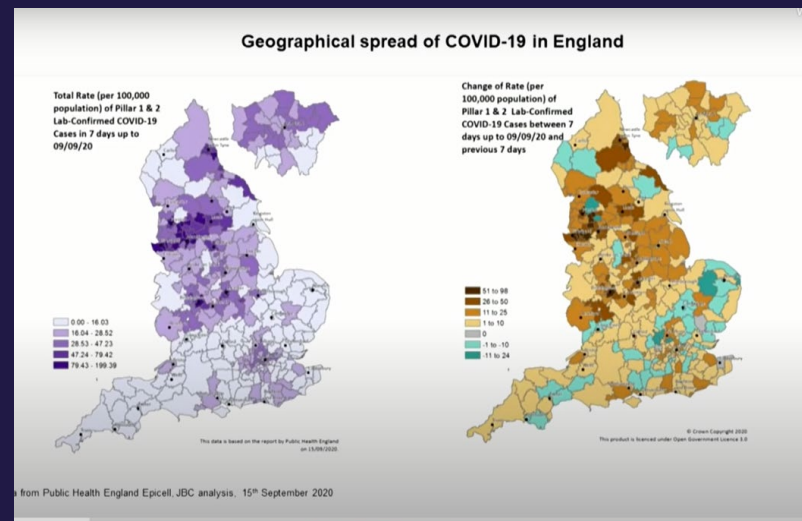
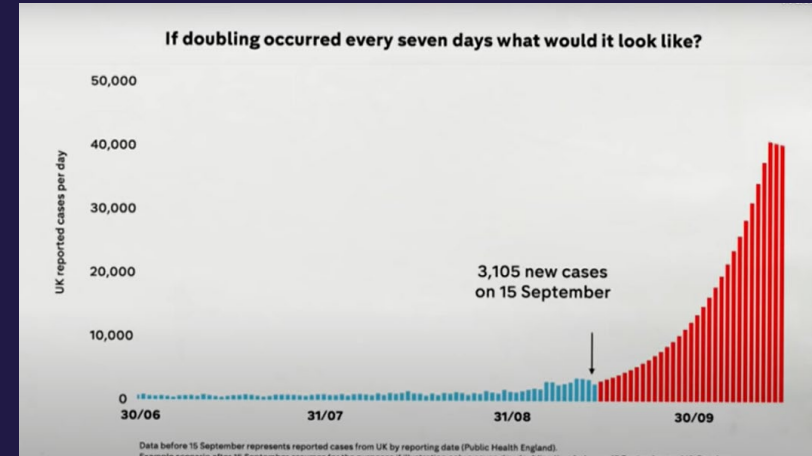
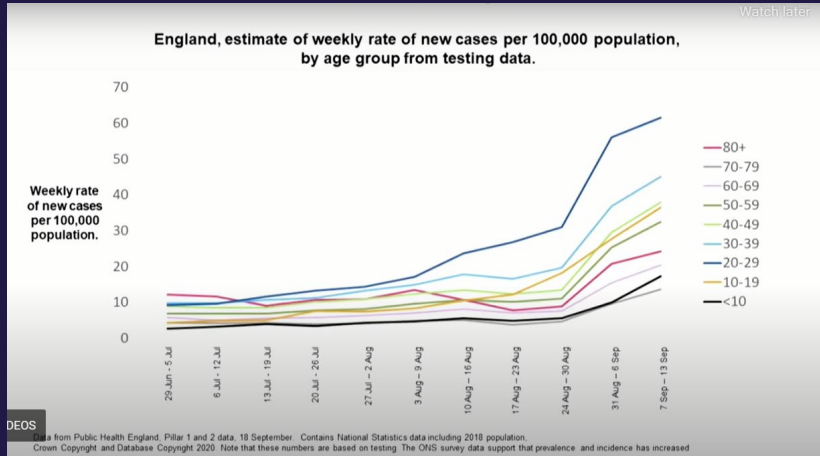
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Why are data collection & presentation skills you learn in Maths useful in making a TV programme?



How news programmes use data...



People get paid to research interesting data to go into a TV programme



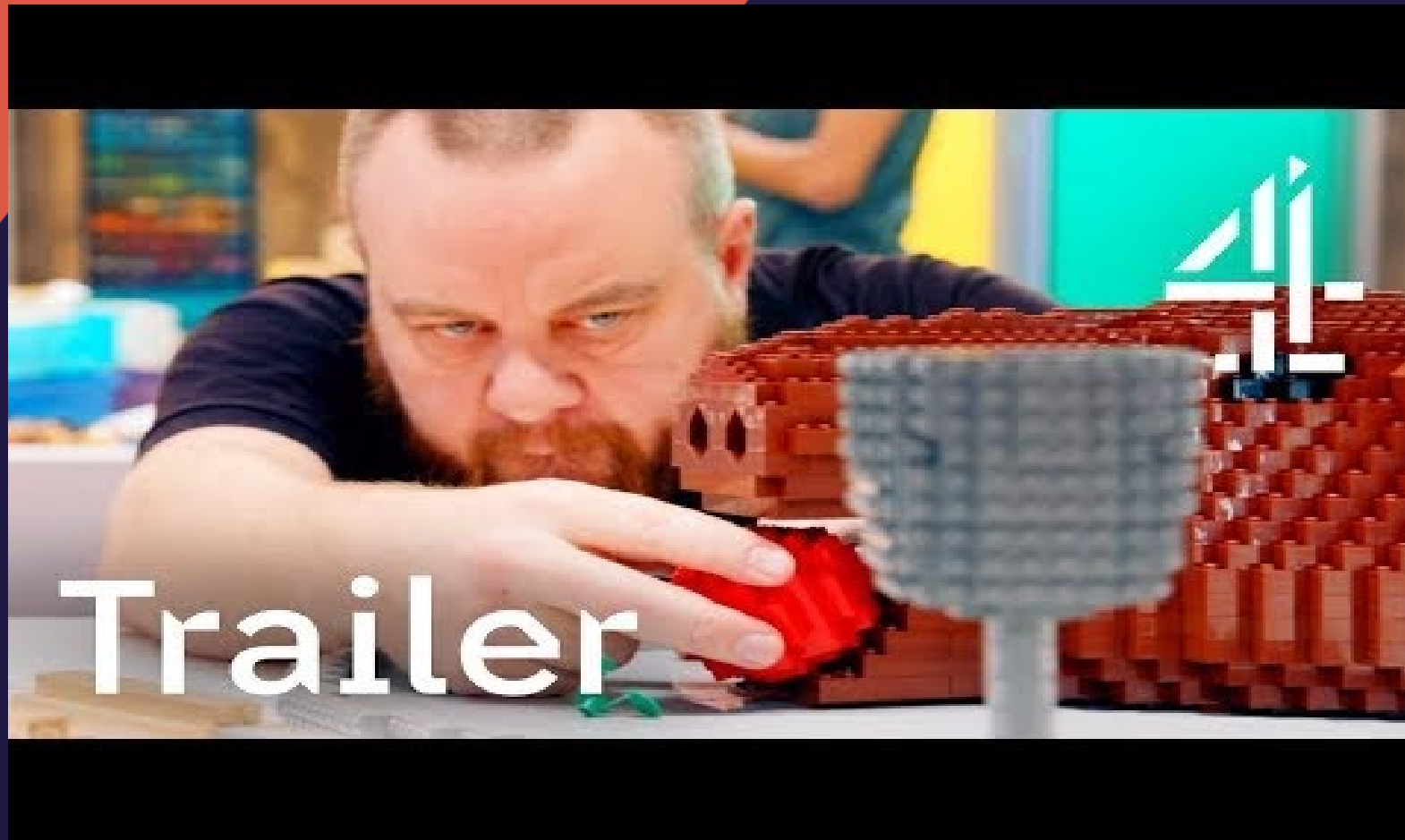
Big Careers on the small screen – Maths at work 5








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How do all the things you see on a TV programme get there?



Try a production buyer job yourself with the Lego Master shopping challenge

	3x Coloured Lego storage units to put Lego pieces in 	1x Lego patterned shirt for the presenter to wear 	10x Lego brick bases to build on 	30x storage jars for smaller Lego pieces 	10x metal bins to store larger Lego pieces in 
Amazon	£30 each OR 2 for £50 5 Star Rating	£25 each 2 Star Rating	£1 each OR 5 for £3 2 Star Rating	£2.50 each OR 10 for £15 1 Star Rating	£5 each OR 3 for £12 3 Star Rating
Tesco	£35 each	£15 each 1 Star Rating	£1 each OR 4 for £2 4 Star Rating	£2 each OR Buy 2 get 1 free	£6
Lego Website	£60 each 5 Star Rating	£50 each 5 Star Rating	£0.90 each	£3 each 5 Star Rating	£4 each OR £2 if bought with coloured Lego storage unit 5 Star Rating
Argos	£32 each 2 Star Rating	£45 each 4 Star Rating	£3 each 5 Star Rating	£2 each 4 Star Rating	£7 each
B&Q	£40 each OR 3 for £100 4 Star Rating	Does not sell it	Does not sell it	£1.75 each OR £1 each if buy 50+ 3 Star Rating	£3.50 each

Find out what it's like to be paid to do shopping challenges like this every day...



Big Careers on the small screen – Maths at work 6



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How much do you think it costs to make a Channel 4 TV programme like The Island with Bear Grylls?



Try a producer job yourself...



Your challenge is to “estimate” how much it might cost to make “The Island with Bear Grylls”

How did you find that task?

What other information would be good to have to help you make a more accurate estimate on cost?

