Computing

Lesson 6: Conditional Formatting
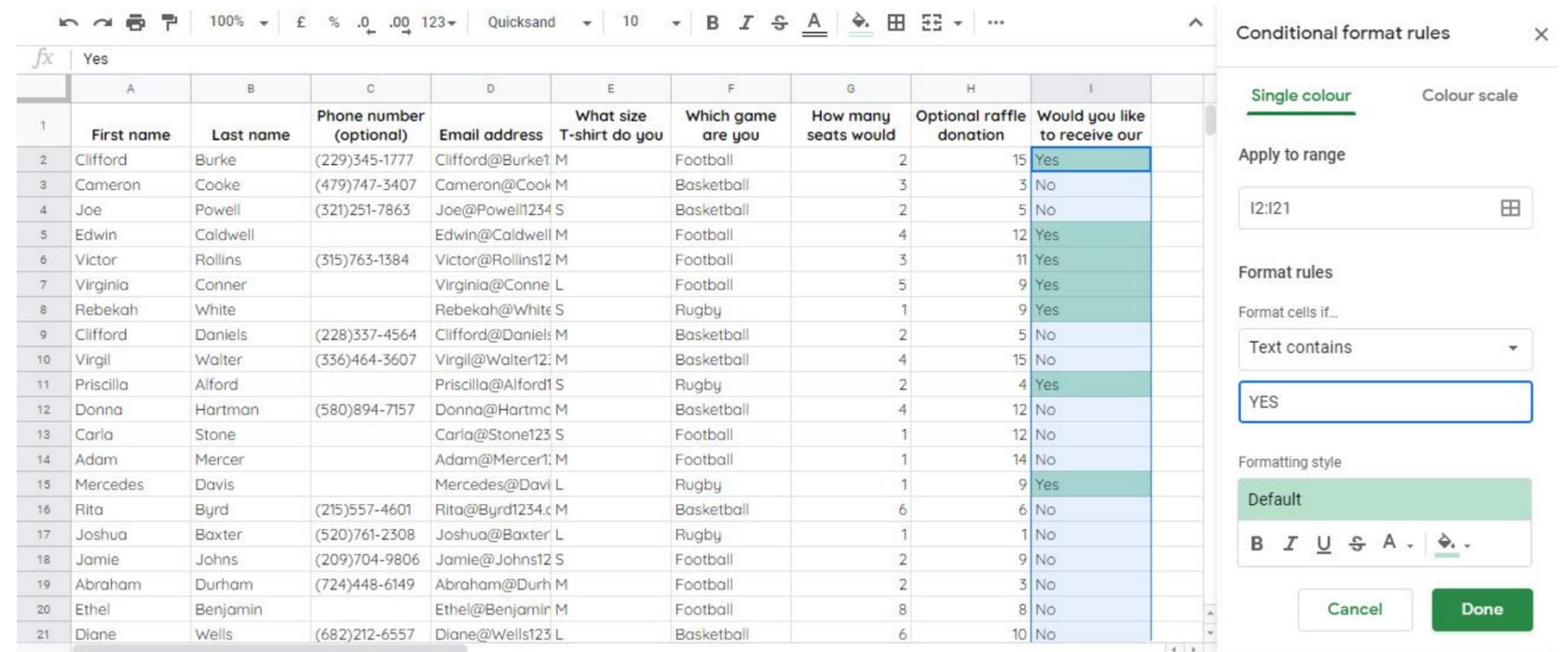
Spreadsheets

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Materials from the Teach Computing Curriculum created by the National Centre for Computing Education

Conditional Formatting

- This is when the spreadsheet highlights cells of a similar criteria.

- Conditional Formatting is good for analysing data.

- Conditional formatting can be set to certain values so that they can be highlighted as seen in the image on the next slide.

Credit: Google Sheets screenshot: Halima Bhayat

Task 2 - Conditional Formatting

Credit: Google Sheets screenshot: Halima Bhayat

Task 1 - U Tub data

	A	B	C	D	E	F
1		U Tub data				
2	RANK	GRADE	DISPLAY NAME	VIDEOS	SUBSCRIBERS	VIEWS
3	3	A+	5-Minute Crafts	3,412	59,337,958	15,069,859,766
4	16	B+	Ariana Grande	132	37,220,124	862,868,661
5	4	A++	Cocomelon - Nu	446	53,793,367	34,214,512,261
6	12	A+	Ed Sheeran	151	41,210,557	17,609,857,376
7	14	B	EminemMusic	117	38,524,091	729,125,080
8	22	A	Felipe Neto	1,906	33,867,076	7,648,974,332
9	13	B+	HolaSoyGerma	137	39,620,014	3,981,831,901
10	8	B+	Justin Bieber	134	46,084,462	626,754,957
11	21	B-	Katy Perry	97	34,593,278	361,592,357
12	5	A++	SET India	31,919	52,967,189	37,433,981,397
13	20	B	Taylor Swift	166	35,111,601	256,341,730
14	23	A	TheEllenShow	10,563	33,610,763	16,702,718,867
15	7	A+	WWE	42,676	46,883,085	34,561,137,762
16						

Credit: Google Sheets screenshot: Halima Bhayat

U Tub data

- You will need to recreate the spreadsheet shown.
- Sort the data into alphabetical order for the column 'display name'?
- Add a conditional format on the column 'vedios' where all cells that start with 1 have a colour?
- Filter the data to find all A+ Grades and then unfilter?

Credit: Google Sheets screenshot: Halima Bhayat

Task 2 - U Tub Function and formula

`fx` | =IF(E3>50000000,"Over 50 million subs!","Too low")

	A	B	C	D	E	F	G	H	I	J
1		U Tub data								
2	RANK	GRADE	DISPLAY NAME	VIDEOS	SUBSCRIBERS	VIEWS	Check		Ranking	Answers
3	3	A+	5-Minute Crafts	3,412	59,337,958	15,069,859,766	Over 50 million subs!		The highest value is	
4	16	B+	Ariana Grande	132	37,220,124	862,868,661	Autofill all this column		The lowest value is	
5	4	A++	Cocomelon - Nu	446	53,793,367	34,214,512,261			The average value is	
6	12	A+	Ed Sheeran	151	41,210,557	17,609,857,376			Number of Non-blank cells	
7	14	B	EminemMusic	117	38,524,091	729,125,080				
8	22	A	Felipe Neto	1,906	33,867,076	7,648,974,332				
9	13	B+	HolaSoyGerma	137	39,620,014	3,981,831,901			Grade	Answers
10		B+	Justin Bieber	134	46,084,462	626,754,957			Count how many A++ there are	
11	21	B-	Katy Perry	97	34,593,278	361,592,357			Count how many A+ there are	
12	5	A++	SET India	31,919	52,967,189	37,433,981,397			Count how many A there are	
13	20	B	Taylor Swift	166	35,111,601	256,341,730			Count how many B+ there are	
14	23	A	TheEllenShow	10,563	33,610,763	16,702,718,867			Count how many B there are	
15	7	A+	WWE	42,676	46,883,085	34,561,137,762			Count how many B- there are	
16			Total							
17										

Credit: Google Sheets screenshot: Halima Bhayat

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U Tub Function and formula

- You will need to recreate the spreadsheet shown.
- Add an IF formula as shown in column '**G**' then autofill this?
- Use the SUM formula to work out the total amount of '**Videos**'
- Use the AVERAGE, MAX, MIN, COUNTA formula to answer the '**Raking**' questions?
- Use the COUNTIF formula to answer the '**Grade**' questions?

Credit: Google Sheets screenshot: Halima Bhayat

Task 3 - U Tub Grade chart
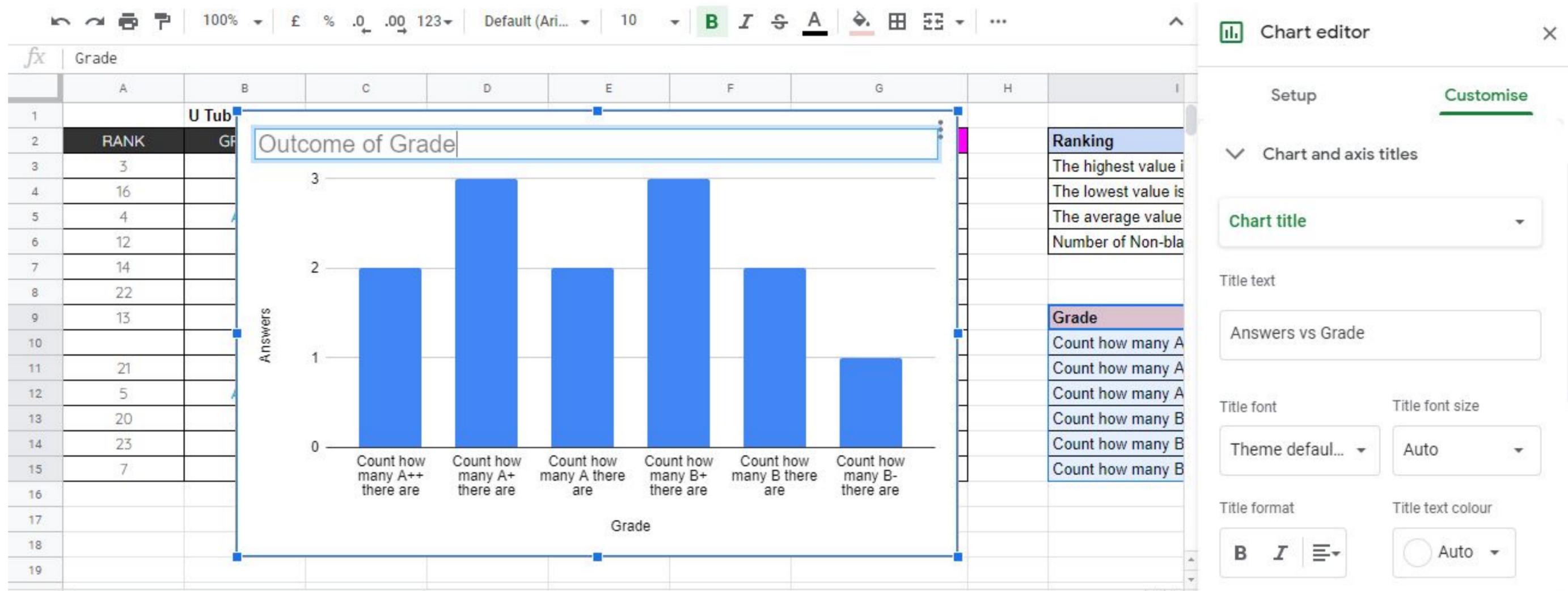
Credit: Google Sheets screenshot: Halima Bhayat

U Tub Chart

- You will need your spreadsheet from Task 2.
- Create a bar chart to analyse data on 'Grades'.
  - **Tip**: highlight the grades in the seperate table you made.
- Which grades have been used the most?

Credit: Google Sheets screenshot: Halima Bhayat