#### Computing

# Lesson 6: Conditional Formatting

#### **Spreadsheets**

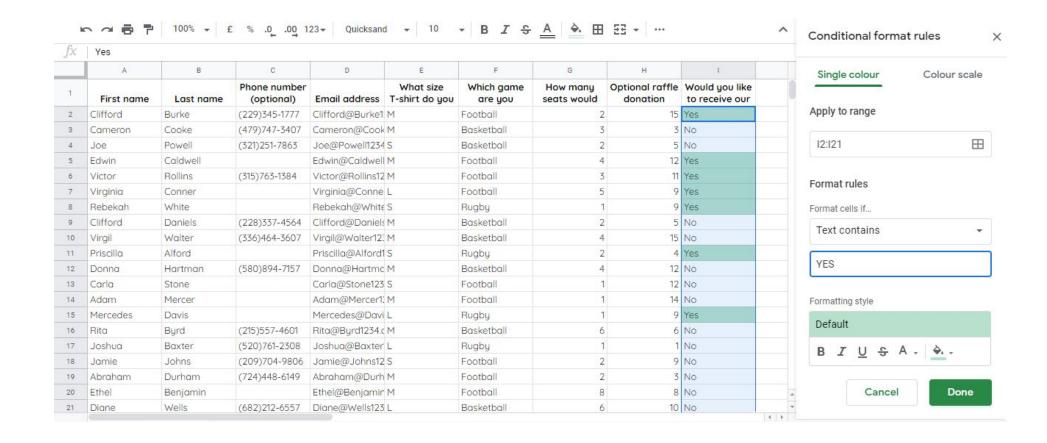
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Materials from the Teach Computing Curriculum created by the National Centre for Computing Education



## **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.





# Task 2 - Conditional Formatting

fχ	Yes									
1	First name	Last name	Phone number (optional)		What size T-shirt do you	Which game are you	How many seats would	H Optional raffle donation	1	Single colour Colour scale
									Would you like to receive our	
2	Clifford	Burke	(229)345-1777	Clifford@Burke1	М	Football	2	15	Yes	Apply to range
3	Cameron	Cooke	(479)747-3407	Cameron@Cook	М	Basketball	3	3	No	
4	Joe	Powell	(321)251-7863	Joe@Powell1234	S	Basketball	2	5	No	I2:I21
5	Edwin	Caldwell		Edwin@Caldwell	М	Football	4	12	Yes	
6	Victor	Rollins	(315)763-1384	Victor@Rollins12	М	Football	3	11	Yes	Format rules
7	Virginia	Conner		Virginia@Conne	L	Football	5	9	Yes	Formatrules
8	Rebekah	White		Rebekah@White	S	Rugby	1	9	Yes	Format cells if
9	Clifford	Daniels	(228)337-4564	Clifford@Daniels	М	Basketball	2	5	No	Text contains
10	Virgil	Walter	(336)464-3607	Virgil@Walter12:	М	Basketball	4	15	No	lext contains
11	Priscilla	Alford		Priscilla@Alford1	S	Rugby	2	4	Yes	Towns .
12	Donna	Hartman	(580)894-7157	Donna@Hartmo	М	Basketball	4	12	No	YES
13	Carla	Stone		Carla@Stone123	S	Football	1	12	No	
14	Adam	Mercer		Adam@Mercer1:	М	Football	1	14	No	Formatting style
15	Mercedes	Davis		Mercedes@Davi	L	Rugby	1	9	Yes	D-flb
16	Rita	Byrd	(215)557-4601	Rita@Byrd1234.c	М	Basketball	6	6	No	Default
17	Joshua	Baxter	(520)761-2308	Joshua@Baxter	L	Rugby	1	1	No	B I U S A - ♦
8	Jamie	Johns	(209)704-9806	Jamie@Johns12	S	Football	2	9	No	D 2 0
9	Abraham	Durham	(724)448-6149	Abraham@Durh	М	Football	2	3	No	
20	Ethel	Benjamin		Ethel@Benjamir	М	Football	8	8	No	_ Cancel Done
21	Diane	Wells	(682)212-6557	Diane@Wells123	L	Basketball	6	10	No	¥



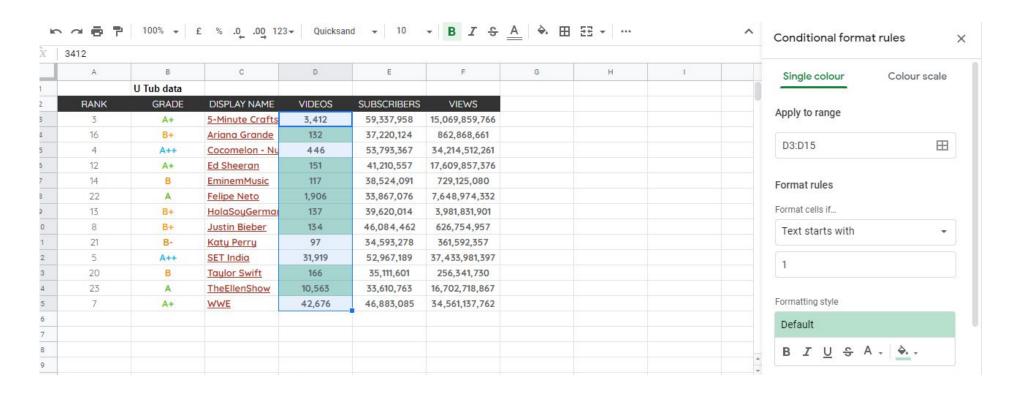
## Task 1 - U Tub data

	A	В	С	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	В	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+	HolaSoyGermai	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	В	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						



#### **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?





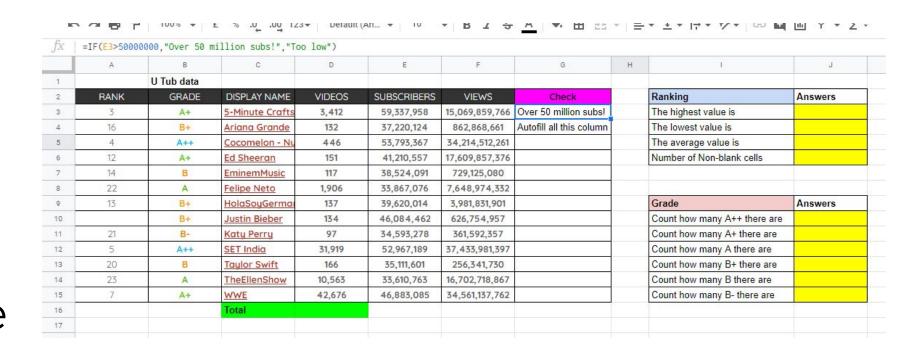
# Task 2 - U Tub Function and formula

X	=IF( <u>E3</u> >50000000,"Over 50 million subs!","Too low")									
	A	В	С	D	E	F	G	Н	1	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	В	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+	HolaSoyGerman	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	В	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		Section 1					
17										



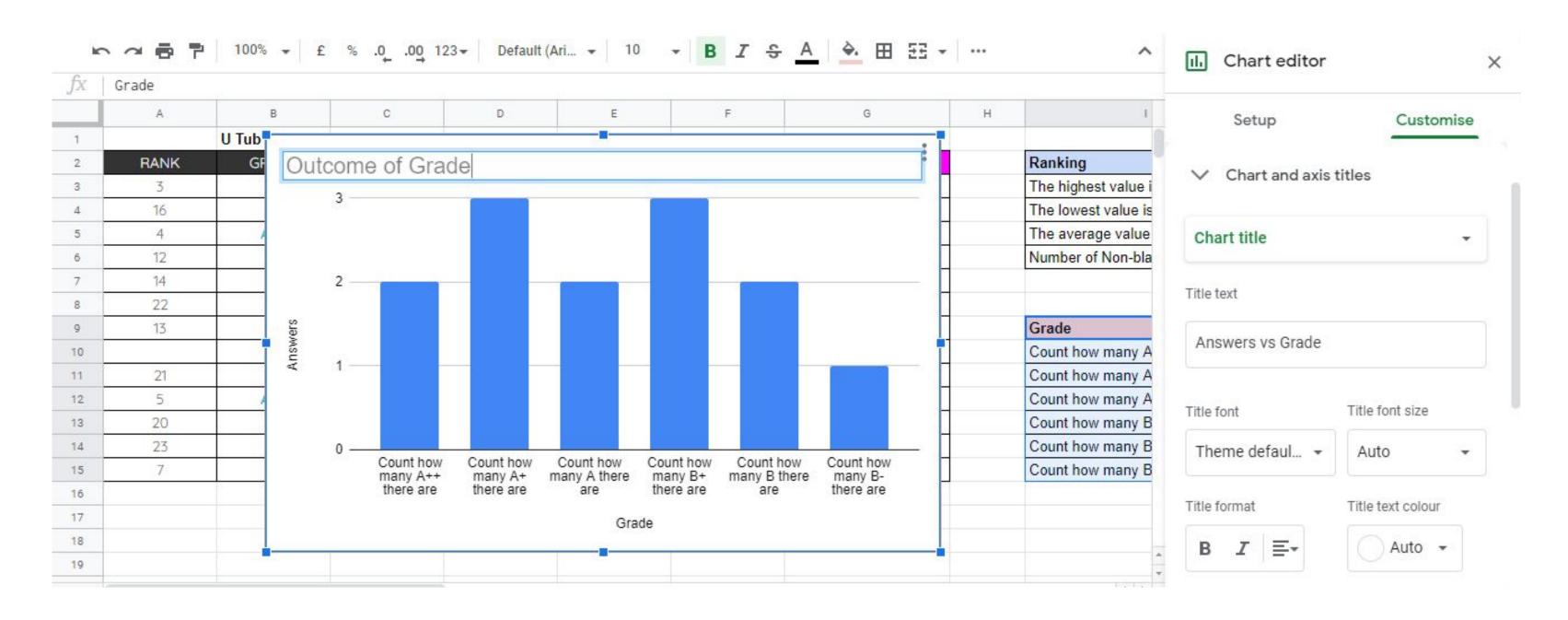
#### U Tub Function and formula

- 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?





#### Task 3 - U Tub Grade chart





#### **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?

