**Year 5 Maths Challenge**

– **Pocket Money (Please allow 45-60 minutes)**

Do you get pocket money? Would you like to have some, or maybe some more? Try this proposition on the person who gives you your pocket money:

I am really not asking for a lot. I'll only want 1p a week to start with, but then my pocket money will need to be doubled every week! What do you think? Is it a deal?

**TASKS:** Try your very best to answer these questions:

1. Did they (your pocket money giver) accept this proposition at first?
2. Show how much money you would get in week 2, then week 3 and so on - create a table to neatly show your results.
3. In which week did you need to start to use a calculator?
4. If week 1 was the first week of 2021 (starting on Sunday 3rd January), by when would you earn: a) your first £1? b) over £10? c) more than £100?

**Extra green challenges** -

5. If this carried on for a whole year, on which date would your pocket money each week become more than £1,000,000?
6. When do you think your parent/guardian would need to say "Let’s STOP!?"

**Note:** You can use a calculator to work this out as soon as you need to as we are focusing on your organised table and working in a systematic way. There is a supporting table in a PDF (containing a big clue) if you’re not sure how to lay this out by yourself.