

Dear Key Stage 2 Pupils and Parents

Primary Stem Challenge

Mr Platts, the Curriculum Leader for Design Technology from George Spencer Academy, came in to school on Monday to relaunch the Primary STEM (Science, Technology, Engineering and Mathematics) Challenge with our pupils.



Competition

Can you help Professor Know-it-all by designing and making a one minute timer which gives an audible warning at the end of exactly one minute?

Rules

1. You cannot use-cogs and gears, silicon chips, batteries, remote control devices.
2. The time must measure exactly one minute and give an audible warning at the end of that time.
3. You cannot touch the device once you have started it.
4. Applications can be from individuals or teams of no more than FOUR. Each member must have made a contribution to the design and making of the device.
5. Parents may advice their children but the finished product must be solely the child/ children's own work.

- Heats will be held for each year group and the four winning devices will go forward to the final.
- In the heats the judges may allow minor modifications or repairs but these **WILL NOT** be allowed in the final.
- The final will be a competition between the four best entries of Yrs3 and Yrs4 and between Yrs 5 and Yrs 6.
- The most **Ingenious Design Award** will be judged from all the entries not just those reaching the final, therefore entrants must ensure that their devices are in school for the final.
- The heats will be judged by a member of the Governing body at George Spencer School and finals will be judged by someone **not directly connected to the school**.
- **All participants will receive a certificate.**
- The winner of each final and The Most Ingenious will receive a **trophy**.

Heats will be held, the winners from the heats will be put through to the final which will be judged by Mr Platts.

Judging

The winner will be the timer sounding its signal nearest to ONE MINUTE. The timer will be measured to 1/100 of a second by a digital stop watch.
You will be allowed three attempts.

The closing date of the challenge is **Monday 14th November**. Please hand in your entries to Mrs Phillips at school. I hope you enjoy the challenge and **GOOD LUCK!**

Mrs Phillips
Curriculum Leader of Design and Technology