

MISSION ASSIGNMENT FOR ENGINEERS

- 1. Your very challenging (!) Mission Assignment is to get some cardboard, masking tape and some straws.**
- 2. Cut out some disc shapes from the cardboard, and create some 'gears' of different sizes on them, by placing straws into each at intervals.**
- 3. On another sheet of cardboard, a larger one, place some holes at intervals so the gears would touch each other when one of them moves around. You can make as many gears as you like.**
- 4. Use a pencil as the turning mechanism in the cardboard, and see how many gears you can make move independently by turning the first one.**
- 5. Record what you do in diagrams with arrows and labels. Write 'if.....then.....because to talk about the size of the cog and its rotation.**
- 6. Record your results on SCIENCE INVESTIGATION WORKSHEET (in TEAMS folder, on Dojo and on school website).**