**Pacemaker Position Investigation**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | A | B | C | D | E | F | G | H |
| 1 |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |

1. Use your paper cones to represent your pacemakers, you have up to six that you can use.
2. Choose where you are going to place them holding them in place with blue tac or suitable weight and note their position by recording the coordinates
3. Place your runner on the grid but do not stick down and again note their position by recording the coordinates
4. Place the desk fan 30cm from the front runner and turn it on at the lowest setting. Does your runner get blown over or out of position?
5. Repeat steps 1 to 4 choosing a new placement until you have found the best placement of your pacemakers to reduce the air resistance acting on your runner.