**TASK 1: INVESTIGATION GOING AROUND IN CIRCLES,**

**PART 1 Conduct the experiment and complete the tables (one lesson)**

**PART 2 Complete the closed book validation test (one lesson)**

Exploring Physics Pages 52-54(the experiment instructions are also attached.

Complete the tables in the provided proforma and hand them in at the end of the lesson**.**

**A screenshot of a computer

Description automatically generated**

**A screenshot of a test

Description automatically generated**

A paper with text and a triangle

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**Table A**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Mass providing central force ( kg)** | **Centripetal force**  **(N)** | **Time taken for 20 turns** | | **Average time per turn(s)** | **Velocity**  **m.s-1** | **Velocity squared**  **m2.s-2** |
| Trial 1 (s) | Trial 2 (s) |
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**Table B**

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| --- | --- | --- | --- | --- | --- |
| **Radius** | **Time taken for 20 turns** | | **Average time per turn(s)** | **Velocity**  **m.s-1** | **Velocity squared**  **m2.s-2** |
| Trial 1 (s) | Trial 2 (s) |
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