**PHYSICS EQUATIONS – SEMESTER 1**

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| **EXPERIMENTAL EQUATIONS** | (5% Rule) |
| **CONSTANT VELOCITY** | (velocity)  (speed) |
| **UNIFORM ACCELERATION** | (acceleration)  (average velocity)  *KINEMATIC EQUATIONS:* |
| **FORCE** | (net force)  (gravitational force, weight)  (force of kinetic friction)  (force of static friction) |
| **ENERGY, WORK, POWER** | (kinetic energy)  (gravitational potential energy)  or (work)  WORK-ENERGY  THEOREM:  or (power) |
| **MOMENTUM/ IMPULSE** | (momentum)  (impulse) |