

Physics Labs List

Dr. Mitchell A. Hoselton
Trinity Valley School, Fort Worth, TX

**Order and selection of Labs varies from year to year
due to School schedule and other factors.**

1 - Measuring the Size of the Earth	16 – Exponential Decay
2 – Vector Tables	17 – Concave and Convex Mirrors
3 – Finding Average Speed & Average Acceleration	18 – Circuit Analysis
4 – Uniformly Accelerated Motion	19 – Simple Harmonic Motion
5 – Instantaneous and Average Velocity	20 – Two-Dimensional Collisions
6 – Rotational Equilibrium	21 – Finding the Focal Length of a Lens
7 – Calculating the Force and Impulse of a Collision	22 – Pendulum Motion
8 – Projectiles I – Vertical Motion	23 – Law of Strings
9 – The Physics of Inclines	24 – Charged Particles and Magnetic Fields
10 – Finding the Index of Refraction	25 – Millikan Oil Drop Simulation Vernier Software
11 – Conservation of Linear Momentum	26 – Energy in Orbits Vernier Software
12 – Newton’s Second Law	27 – Heating Water with Microwaves
13 – Factors Affecting Resistance	28 – Electromagnetic Radiation and the Light Bulb
14 – Projectiles II – Range and Altitude of a Projectile	29 –
15 – Centripetal Force	30 -