



VÄSTERÅS STAD
Skolverksamheter



RUDBECKIANSKA
gymnasiet

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Physics

Form 10

1. Archimedes' principle
2. Work and energy
3. Mechanisms (forces, equilibrium)
4. Kinematics
5. Pressure, density
6. Electric fields and Coulomb's law

Form 11

1. 10th form +
2. Newton's laws
3. Momentum, collisions
4. Calorimetry, heat
5. Electricity (direct current, resistance, EMS, terminal voltage)

Form 12

1. 11th form +
2. Central (circular) motion
3. Projectile motion
4. Mechanical oscillations (harmonic oscillations, pulses and wave motion)
5. Electric and Magnetic fields (incl. induction, coils and capacitors, Amperes law, forces on charges and conductors)