

Physics Project for 2nd Term 2014-15

Last Date of submission of Project 15th January 2015 for all classes

Classes six and seven students will work individually.

Class eight will work in sub groups to be made in class.

Allotment to students will be done in class.

Demonstration and explanations of projects will be done in class.

Class 6

Rolling can: Demonstrating the Conversion of Potential and kinetic Energy.

Climbing Cone: Demonstration of equilibrium condition for a cone shaped body.

Tornado: Demonstration of spin in fluid due to pressure difference

Balloon driver: Experiment on buoyancy. Controlling the up thrust.

Pencil Spinner: Conversion of vibration energy to rotational motion.

Class 7

Balance centre of mass: Finding centre of mass and balance weight through that point

Auto Siphon: Automatic pump with its special shape.

Combination of light: Combining three basic colour of light to obtain composite colours

Hot air balloon: Acting principle of hot air is lighter than cold air

Lens with water: Demonstrating water can also act as lens with similar action.

Class 8

Potato/ lemon Battery: Basic way to produce electricity from chemical energy.

Electric Generator: Using magnet and coil producing current due to their relative motion.

Balloon pumper/ Water pump: Demonstrate the action of valve in unidirectional flow.