

LESSON PLAN

SUBJECT	SCIENCE	CLASS – VIII	NO. OF PERIODS REQUIRED : 5
LESSON TO BE TAUGHT	Chapter : 12 — Friction		
MY FOCUS	1. Force of friction 2. Factors affecting friction 3. Friction : A necessary evil 4. Increasing and Reducing friction 5. Fluid friction		
STUDENT ACTIVITY	Group discussion on Sports and friction		
PRACTICE ASSESSMENT	Q1. An object is moving from north to south. What is the direction of force of friction on the object? Ans. South to north		
	Q2. Discuss any two situations in daily life where friction is an advantage. Ans. a) It would be impossible for us to walk without friction. b) Friction causes nails and screws to hold on the walls.		
	Q3. What is the effect of friction on motion? Ans. Frictional force slows down moving objects or prevents stationary objects from moving.		
ADDITIONAL INFORMATION	1. Burning of meteorites – Due to friction with air 2. Tribometer – Instrument used to measure friction		
CAN DO STATEMENTS	1. Friction opposes the relative motion between two surfaces in contact. 2. Friction depends on the nature of the surface in contact and mass of moving object. 3. Friction is disadvantageous because it causes wastage of energy, wears out the rubbing surfaces and generates heat. 4. Friction can be increased by making the surface rough. 5. Friction can be reduced by polishing, by lubrication, by using wheels and ball bearings. 6. Fluid friction depends on its speed with respect to the fluid, shape of the object and nature of the fluid. It can be reduced by streamlining.		