

**BalikaVidyapithLakhisarai(811311)**

**Class :- 4                      Subject - EVS**

**Based On NCERT**

**Date - 23/02/2021**

## **Friction**

### **HOW TO REDUCE FRICTION**

Since friction is due to roughness of surfaces, any process that makes the contact surfaces smooth will reduce friction.

Let us learn about some methods of reducing friction.



Slide in a park

#### **Polishing**

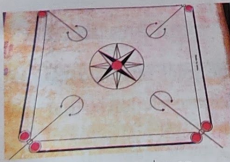
Polishing a rough surface reduces friction. Slides in the park are polished to reduce friction so that children can slide easily.

#### **Lubrication**

Friction is decreased by lubricating surfaces with oil, grease or graphite. The sliding surfaces have a thin layer of the lubricant between them. The friction between the surfaces and the lubricant layer is much less. Graphite is used as a lubricant in machines where the moving parts reach very high temperatures.



Oiling a bicycle



Sprinkling powder on the carrom board

#### **Powder**

Sprinkling powder on a surface makes it smooth and reduces friction, for example, when we sprinkle powder on the carrom board, it makes the movement of the striker and coins easier on the board.

**1. Write two ways to reduce friction.**

**Answer = 1. Polishing a rough surface reduces friction.**

**2. Friction is decreased by lubricating surface with oil, grease or graphite . The sliding surface have a thin layer of the lubricant between them .**

\*\*\*\*\*

**Jyoti**