

List of contents attached.

Friction.

1. SUBJECT- Science
2. GRADE- Class VIII
3. CHAPTER NO.- 12
4. TITLE OF CHAPTER- Friction.
5. LEARNING OUTCOME- Understand friction and its relation with surface irregularity. Application of the relationship in everyday life.
6. LESSON PLANS- 1. What is friction? 2. What causes friction and how can it be reduced?
7. EXPERIENTIAL CONTENT- application of knowledge to solve real life problems like building plans, shapes of objects etc.
8. EXPLANATION CONTENT- friction is a contact force that comes into action when two surfaces are in contact and are moving against each other. The microscopic irregularities between the two surfaces in contact interlock with each other and prevent each other's movement.
9. INNOVATION CONTENT TO EXPLAIN HOTSPOTS- friction is a necessary evil, it is a boon as well as a bane. It is disadvantageous as it causes wear and tear and loss of energy in form of heat. It is advantageous because it helps in better grip and balance.
10. MEASURING ATTAINMENT OF LO'S- Group discussion, class and home assignment, conducting experiments.
11. QUESTION BANK- 1. What is friction 2. Why is Friction a necessary evil?
12. CURIOSITY QUESTIONS- 1. Why do meteors start burning as soon as they enter earth's atmosphere? 2. What would happen if there is no friction on earth?
13. MIND MAP/CONCEPT MAP-

