

# STATICS

*Meaning: Statics is the branch of mechanics that studies the behavior of stationary bodies and the forces acting on them in equilibrium.*

1. Statics is a branch of mechanics that deals with bodies at rest and forces in equilibrium.
2. Understanding statics is crucial for engineers designing stable structures like bridges and buildings.
3. The principles of statics are applied to ensure that a structure can withstand various loads without collapsing.
4. In our physics class, we learned how to calculate the center of mass using concepts from statics.
5. Statics forms the foundation for more advanced studies in dynamics and structural engineering.

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