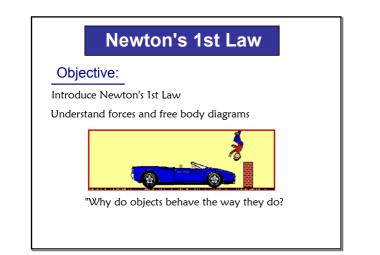
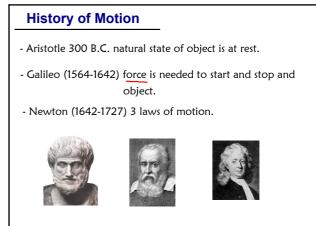
## Newton's 1st Law





## Newton's 1st Law

- An object at rest will remain at rest

- An object in motion will remain in motion (at the same speed & direction)

- Unless acted on by an outside force



## Inertia

- resistance to change.



- Objects at rest, stay at rest. Objects in motion, stay in motion.
- Inertia ~ mass (increase mass = increase inertia)

