

Shooting Star

Learning Physics through Catapult Building

Student Desired Learning Outcome

A Christian who is an innovative Problem – Solver and Effective Communicator.

Objective

- To encourage innovative thinking through designing of catapult.
- To reinforce the concepts of force, energy transfer, torque and to introduce the concept of projectile motion.

Approaches

Building of catapult and modification to improve the design.

Reflection and evaluation of the design during launch.

Brainstorming of design and Physics concepts that can be applied.

Group discussion and class presentation on the design and how Physics concepts are applied.

CIT: Critical and Inventive Thinking