



The Mall School

Curriculum Guide

DESIGN TECHNOLOGY

Year 5

Teachers: Mr Lang
Lessons: 1x 75mins

Pneumatic Rockets

Introduction:

This is an exciting project designed to give the boys an awareness of how different design specifications can affect performance and the importance of testing prototypes before a final design. The boys make a series of paper rockets with differing specifications in order to study which characteristics improve the distance it will fly. The rockets are to be launched in Bushy Park where there is enough open space for them to be fired safely

Key Objectives:

- To understand specification and that changing a specification will change an outcome.
- To work as part of a team
- To gain an awareness of how testing can improve performance
- To evaluate
- To have fun

Resources:

A3 paper, masking tape, scissors, ruler, glue gun HIPs plastic, rocket launcher.