



THE *Scout* ASSOCIATION
OF MALTA

Xghajra Scout Group

xghajrascouts.org

5.02. Scientist

Complete two experiments from each section and explain what is happening. You may also carry out similar experiments with your Leader's approval.

Physical World

- (a) Make a simple switch including a light bulb and battery.
- (b) Show that hot air rises.
- (c) Make and air-power balloon rocket or a water rocket.

Changing Matter

- (a) Find out what happens when you add salt to water.
- (b) Show how vinegar reacts with different items (steel wool, dirty coin, sodium bicarbonate).
- (c) Grow crystals.

Living Things

- (a) Make some yoghurt.
- (b) Investigate what happens to your pulse rate before and after exercise.
- (c) Investigate how light and water affect the growth of a plant.