



Te Kete Aronui
Aspire Inquire Inspire



The MacDiarmid Institute
for Advanced Materials and Nanotechnology

Kōrero with Scientists

Light and the colour spectrum: Consumables List.

- Compact disc (CD)
- Cereal box
- Scissors
- Sticky tape
- Tinfoil
- A variety of light sources (sunlight, fluorescent bulb, torch, street lamp, candle etc.)
- Coloured cellophane (red, green, blue, yellow)
- Clear plastic cups
- Water
- Food colouring (red, green, blue)
- Red laser pointer
- White paper
- UV light or ‘money-checker’
- Plastic bottle of tonic water with quinine (e.g. Signature Range, Schweppes). Glass absorbs some UV light and when slippery with sunscreen, a glass vessel could be a bit of a hazard.
- Sunscreens of varying brand, strengths, or types to test. Consider also cosmetics that have sunscreen in them, like moisturisers or foundations, or ‘SPF’ lip-balms.
- Other sunscreen-like substances to see what makes sunscreen special (optional).

A combination UV light and laser pointer is available from:

www.surplustronics.co.nz/products/5697-5mw-3-in-1-red-laser-pointer

(\$4.50 + approximately \$5 shipping)