1. Food Dye Set

Set of seven food dyes, each containing 1g. Ideal for a number of experiments including chromatography. Image used is for illustrative purposes only.

Colours included:

- E102 tartrazine
- E133 brilliant blue
- E122 carmoisine
- E110 sunset yellow
- E131 patent blue V
- E142 green S
- E127 erythrosine

Code	Pack	Price
CHR2002	7 x 1g	£31.29



2. UV Energy Beads

White beads, that when exposed to UV radiation, change into a range of different colours. They can be used for scientific investigations into solar radiation and suncreams. They are drilled so can be mounted on string to make simple UV detectors.

Code	Pack	Price
PY1038	250	£18.39
BB1210	500	£33.80



3. Lascells UV Test Rig

A UV LED provides the UV source in this test rig. Due to its construction there is no radiation hazard and students can test the UV absorbing properties of various materials such as lenses from sunglasses, various coloured glasses, reflective film etc. as well as the effectiveness of sunscreen creams. UV detection is by means of UV beads and intensity is estimated from the time taken for the colour changes to occur, so approximate values only are obtained.

For more quantitative measurements the UV photodetector (PY3046) can be used. The unit requires a normal 12V DC power supply.

Code	Pack	Price
PY3102	Each	£48.24



4. Glow-in-the-Dark Film

A flexible self-adhesive plastic film that glows brightly in the dark. Can easily be cut by hand and stuck to a wide range of materials. This material meets the photoluminescent safety products association (PSPA) class B performance classification when tested according to DIN 67510 pt 1. Luminescence is measured following a specific level of excitation and then calculation made to the threshold of visibility, which is 0.32mcd/m^2.

Code	Pack	Price
SESM1016	Each	£27.43

