**Experiment 2: UV Radiation and Damage to Life – Instruction Sheet**

**Equipment - you will need:**

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| --- | --- | --- | --- |
| UV beads |  | paintbrushes |  |
| sunscreen |  | petri dishes or clear plastic |  |
| UV keyring torches |  | UV colour change charts |  |
| mixed materials |  |  |  |

**Conducting the Experiment**

* Observe the plastic beads using the colour chart to check shade before investigation.
* Put the UV (ultra-violet) beads into a petri dish or table in the classroom. Add the lid of some form of clear plastic covering.
* Apply a thin layer of sunscreen to the plastic covering.
* Before you shine the UV torch on the beads discuss your predictions in your group based on the prediction sentence stems.
* Shine the UV keyring torch at about 8 cm above the dish for 60 seconds. *DO NOT shine the torch in anyone’s face.*
* Remove the plastic covering and observe the UV beads using the colour chart.
* Discuss your findings in your group based on the conclusion sentence stems.