Summer Education Programme

Module Title: Numeracy through Science

Aims of this module

-- support pupils to re-engage with education,

-- promote wellbeing

-- ensure they can move on next September along with their peers.

-- build student confidence in their numeracy skills through science activities,

Overview

This module comprises ten activities. Ideally students would be offered the opportunity to try all activities in the module over a two-week period. Such a holistic engagement with the module would ensure the maximum benefit as similar skills are in action in most activities. Nevertheless, all the activities are capable of standing alone. They may be done by a student working alone, but would be even better suited to working in pairs or small groups.
It is anticipated that students will benefit most from this module if suitable teacher/parent scaffolding is provided. Wherever possible inexpensive readily accessible materials (often to be found at home) are used.

Guidance

The guidance sheet for each activity is a single A4 page and contains a simple diagram or photograph. The language used in explaining concepts can be adapted to be age-appropriate by any teacher/parent. It is intended that most of the activities are repeated under modified circumstances. Repetition reinforces learning and modifying the circumstances, gives opportunities to develop numeracy skills. Teacher/parents can ask as many questions as they consider suitable. The questions can offer whatever degree of challenge suits the students.

NOTE

SEP_Numeracy-through-science_PRIMARY
This module features the same 10 activities geared towards children in class 3,4,5 & 6 using simpler language and simpler challenges.

SEP_Numeracy-through-science_Post-Primary
This module features the same 10 activities geared towards students aged 13 to 19 years using more advanced language and harder challenges.

If teachers or parents using these resources need assistance in understanding the guide sheets provided, they can email David.Keenahan@iop.org