

## Material list:

### Material per student:

- Printed worksheets (see pdf-document "Student Worksheets")

### Material per class:

- Several calculators (the calculator needs the function "**power calculation**" / about 1 calculator per 5 students.)
- Several Thermometers (**sensitivity 0.1°C** / about 1 thermometer per 5 students)
- A3-Papers (white and empty / about 1 A3 Paper per 5 students)
- Several soil sample containers (→ either small sealable plastic bags, or small metal baking pans and cling film / 3 containers per 5 students)
- Labelable adhesive tape (e.g. painter's tape / about 4 tapes per class)
- Waterproof pen (about 4 per class)
- Balance (**0.1 g sensitivity** / 1 per class)
- Trowels (about 1 per 5 students)
- Measuring tape (**length approx. 25 meters** / 1 measuring tape per 5 students)
- Cord (1 cord of about 8m per class)
- Little stones (1 per 5 students)
- Sticks (e.g. tree branches, about 60 cm long / 1 per 5 students)
- Printed version of the following documents (for each teacher):
  - 0\_Overview Teaching Unit
  - 1\_Entry into the teaching unit
  - 2\_ Cocoa Plants
  - 3\_ Climate Change
  - 4\_ Analysis of individual factors in cocoa cultivation
  - 5\_ Synthesis and weighting of various factors
  - 6\_ Final task
  - IB\_SUDAC\_evaluation\_handout-for-teachers

### Further printouts per class:

#### from document 1: Entry into the teaching unit

- Concept cartoon and leading question:** Printed version of **page 3 AND 4** in large format (A2 or A3).

#### from document 2: Cocoa Plants:

- Pictures:** Printout of pages 19 - 26. These pictures are to be **laminated**.