

HUMAN SUNDIAL SCHOOL PROJECT

Main idea



To „build“ class project for students, using math, science and art, and make interactive sun clock - which uses a person's own shadow, to show the correct clock time!

All of the materials used, will be totally customers choice - so that instalation can blend-in with their location.

General advantages of „Human Sundial“

When compared against most of the normal traditional sundials:

- These cannot easily be stolen, (or vandalised) - and so they are ideal for public locations.
- They can be made using many different materials (concrete, stone, brick, mosaic, etc) - or just painted, on to the ground.
- These show correct time.
- Provided they are set slightly below ground-level (on grass areas), you can run a lawnmower over it without any damage.
- Every layout is totally unique - no two are exactly alike, anywhere in the world.
- Interactivity of you becoming part of sundial !

In addition to those general advantages, outlined above - many Schools use it for a curriculum-wide project, which offers educational aspects in a range of subjects:

- Its layout will actively involve the children in measurement, with all of the dimensions given in metres and centimetres.
- Uses an easy X&Y co-ordinate grid system, for setting-out which helps a teacher to explain it in a practical way.
- These clearly demonstrate the varying altitude of the Sun, which causes the seasons to change during the year.
- It includes a method for finding your true North direction and avoids using an unreliable magnetic compass for this.
- Measurement accuracy of a layout is checked by using 'Right-Angle Triangles'!
- These brighten-up school grounds with a feature which is interactive, decorative, plus vandal-proof.



- If you do not have any suitable ground area, then just make small working-models instead which are very simple, and cheap, to produce - using a paper print-out, glued on card (*see photo!*).

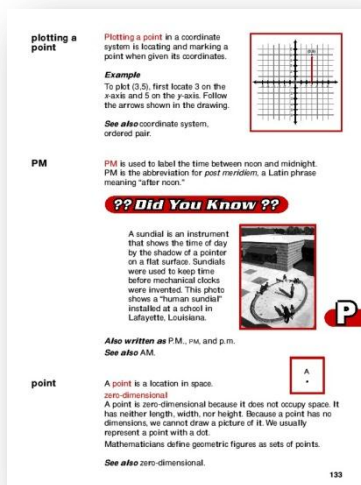
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What do we offer?

Like all other sundials, every unique "Sunlock" must be 'tailor-made' to its own Latitude & Longitude - since otherwise it would not be able to tell correct clock time, for your location.

However, the complex calculations involved are not something most people would really like to work-out for themselves - so we eliminate that worry, by providing you with all the accurate measurements (and detailed instructions) needed - saying how to create an accurate „human powered“ "Sunlock".

Over 30.000 schools all over the world already uses „Human Sundial“



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