

Scale challenge

Introduction

This session helps the learners to understand why and how scale is used, for example, in building plans. They will scale-down the true dimensions of an object and make a scale model of an object.

These mathematical concepts are further developed in the technologies challenge.

Support notes

The learners can create a scale model of the great pyramid by using the [PBS website](#).

This gives the actual measurements and scale measurements for the Great Pyramid. The scale measurements are provided on the print out of the scaled-down version of the pyramid.

The print-out can be used directly to create the model or learners can use the print-out as a guide for them to create their own model using rulers and protractors.

There may also be discussion about the angles contained within the pyramid. Once the learners have created this model they may then create scale models of the pyramids of Khafre and Menkaufre.

Their actual dimensions are also available on the [PBS website](#).