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| Our Building Tour of the World  A year 7&8’s there are specific things we need to know about Measurement and Geometry. We have looked as the National Standards and the curriculum for this area and together we have come up with the follow project. Mrs C will run workshops of specific learning tasks, so that we have the knowledge to complete the tasks, otherwise we have until week 10 to complete the following tasks. | | |
| Building Tour | Building Planning | Building Creation |
| * Visit 5 buildings around the world – one must be a pyramid   For each building we have decided we need to complete the following:   * Dimensions of the building (this will require research) * Scale drawings of different view points * A picture of the building * The perimeter of the building – if research provides measurement details * Drawings need to be labelled with any measurements relevant to the building * Distance from NZ both in metres and in Kilometres * A description of the 3D shapes visible in the building | After doing your research you can now design your own building. You plans must meet the current criteria:   * Must contain a range of 3D shapes * Plans need to include drawings of a number of different view points * Planning must include perimeter, area and volume of the building. * Drawings need to be of a set scale. | Once you have designed your building, then you need to construct a simple 3D model, that reflects your plans. It need to:   * Be based on 3D shapes that have been constructed by using nets * Use light weight cardboard – eg cereal boxes, muesli bar boxes * Fit onto an A3 sheet of paper – can be smaller |
| **Workshops:** to be successful with this project, you will need to understand the concepts we have glued into our maths books. Mrs C will run the following work shops for those who need to extended their learning-  \*Conversion of metric units \* Scale drawing \* Viewpoints\*Perimeter, Area, Volume \* labelling and naming 3D shapes \* Creation of nets for the purpose of constructing 3D shapes \*  For more detail on what we will be learning check out <http://www.nzmaths.co.nz/level-four-geometry-and-measurement?parent_node>= | | |