Design a Futuristic City!

Your task is to design a futuristic city! Your city must be three-dimensional and made out of 3D shapes! Cylinders, cubes, pyramids, prisms a plenty! You'll need to plan your futuristic city first before you build it, just like an architect would!

1. Use a double spread page in your maths grid book to play your city. You will need to plan your city first from a BIRDS-EYE view. This is the view looking down at the city from above. You will need to use a ruler and be as accurate as possible.
2. Then, you will need to plan your city and draw it from a SIDE view. Once again you will need to use a ruler and be as accurate as possible. Make sure you consider the height of your buildings. Are they all going to be the same height? OR are some going to be shorter than others?
3. Once both of your plans are complete and approved then you will CREATE your 3D city. You will need to build the 3D shapes out of nets that you create yourself and build a model of your city! The shapes should be arranged the same as your plan but you can add colour and other decorations.
## Marking criteria

This is what you will be marked on:

<table>
<thead>
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<th>To get the best possible mark:</th>
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| **Drawings**                  | - All lines are straight, have been measured and drawn with a ruler.  
- The top and front views relate to each other (objects are in the right place, sizes are consistent).  
- Drawings are labelled. |
| **2D shapes**                 | - Drawings reflect an understanding of shapes (for example, squares have four equal side lengths at right angles).  
- 2D shapes are the correct face shape for the 3D version. |
| **3D shape models**           | - Shapes have been made from a net (even better if you make the net yourself).  
- Net is measured and all sides match.  
- Model reflects an understanding of the shape (for example, correct number of faces). |
| **Arrangement**              | - Arrangement of shapes matches in both drawings and model.  
- There are at least three 3D shapes.  
- There are at least two different types of 3D shapes. |
| **Presentation**             | - Drawings are neat and complete.  
- Model is neat and complete.  
- Model uses colour and is attractive.  
- Model has been decorated with care. |