

MASTERPLAN

Become a Master planner & create a vibrant city map using 3D paper model-making.

Explore what different things make up a city, think about how you might plan a city and how to meet the diverse needs of a thriving city population.

What you'll need:

- Paper or card
- Coloured pencils or felt tips
- Scissors
- Tape or glue stick

You could also use:

- Coloured or patterned paper
- Magazines or newspapers to cut up and collage
- Toy cars or people
- Plasticine

This activity is aimed at children and young people over the age of 11. Or for younger children with some help!



EXPLORE

This is a fun paper model-making activity in which we'll explore, design and make a mini model city. This is aimed at children and young people aged 11 and over but would be lots of fun for younger children too with some help from an adult or older sibling. You can find a glossary at the back of this pack for more information about some of the vocabulary we have used in this resource.

Ideas

Before we start creating our masterplan models we need to think about the different elements that make up a city.

Write a list of things you might find in a city in the space below. Think about different kinds of buildings and also other things such as transport or parks too. Why not think about where you live and the different places you know to help with your ideas?



EXPLORE

Now that you've written your list of places you may find in a city, group them into different areas in the boxes below.

Do you know what the following words mean: residential, commercial, cultural, public services, transport, recreation. Write a definition of the word in the box - there's more information in the glossary at the back of this pack or you could look up the word in a dictionary.

RESIDENTIAL

COMMERCIAL

CULTURAL

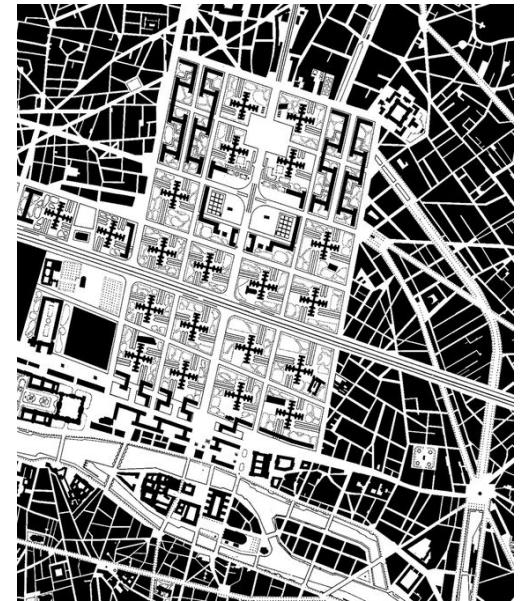
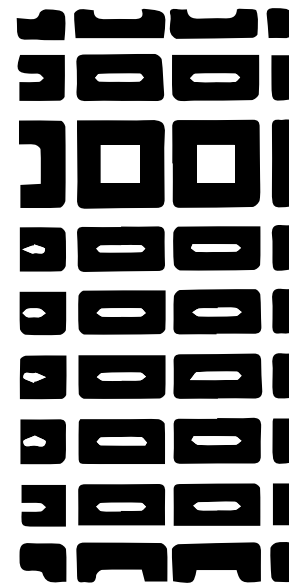
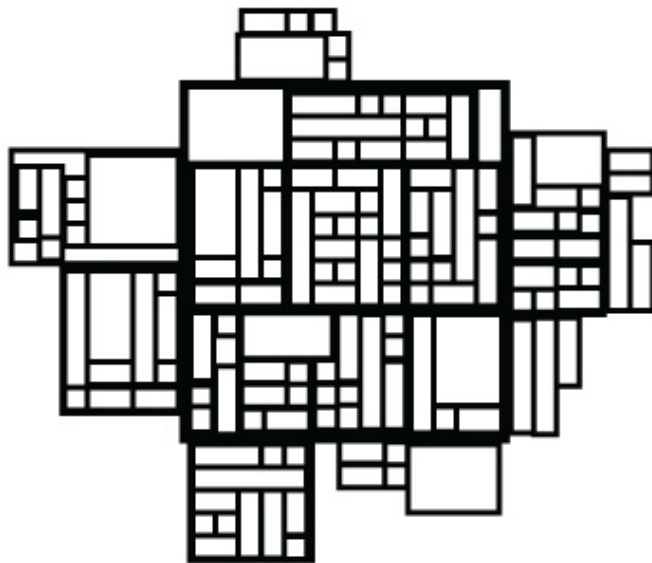
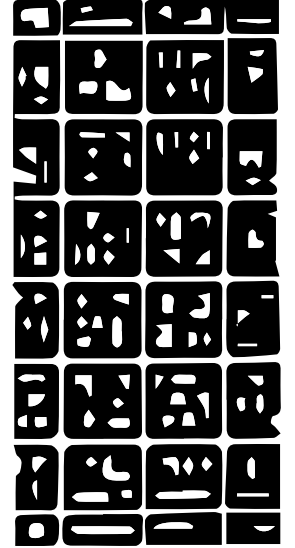
PUBLIC SERVICES

TRANSPORT

RECREATION

EXPLORE

Here are some city plans (some real and some imagined) to inspire your own design. Some cities are built on a grid pattern (for example New York City) some are built on a radial plan (Paris and Washington DC) and some (like London) are less planned and different buildings and areas have been added over time. What do you think works best? How will your city look?



From top l-r New York City (1867), Paris, Washington DC, Buenos Aires (simplified), a city grid plan (imagined), NYC (simplified), Paris (proposed but never built)

DESIGN

The next step is to design the layout of your city. What will it look like? Will there be a city centre or perhaps different quarters or districts? Will it be on a grid or take a more organic shape? How will people who live in your city get around? What will they need to live there? Where will they live and what will they do there?

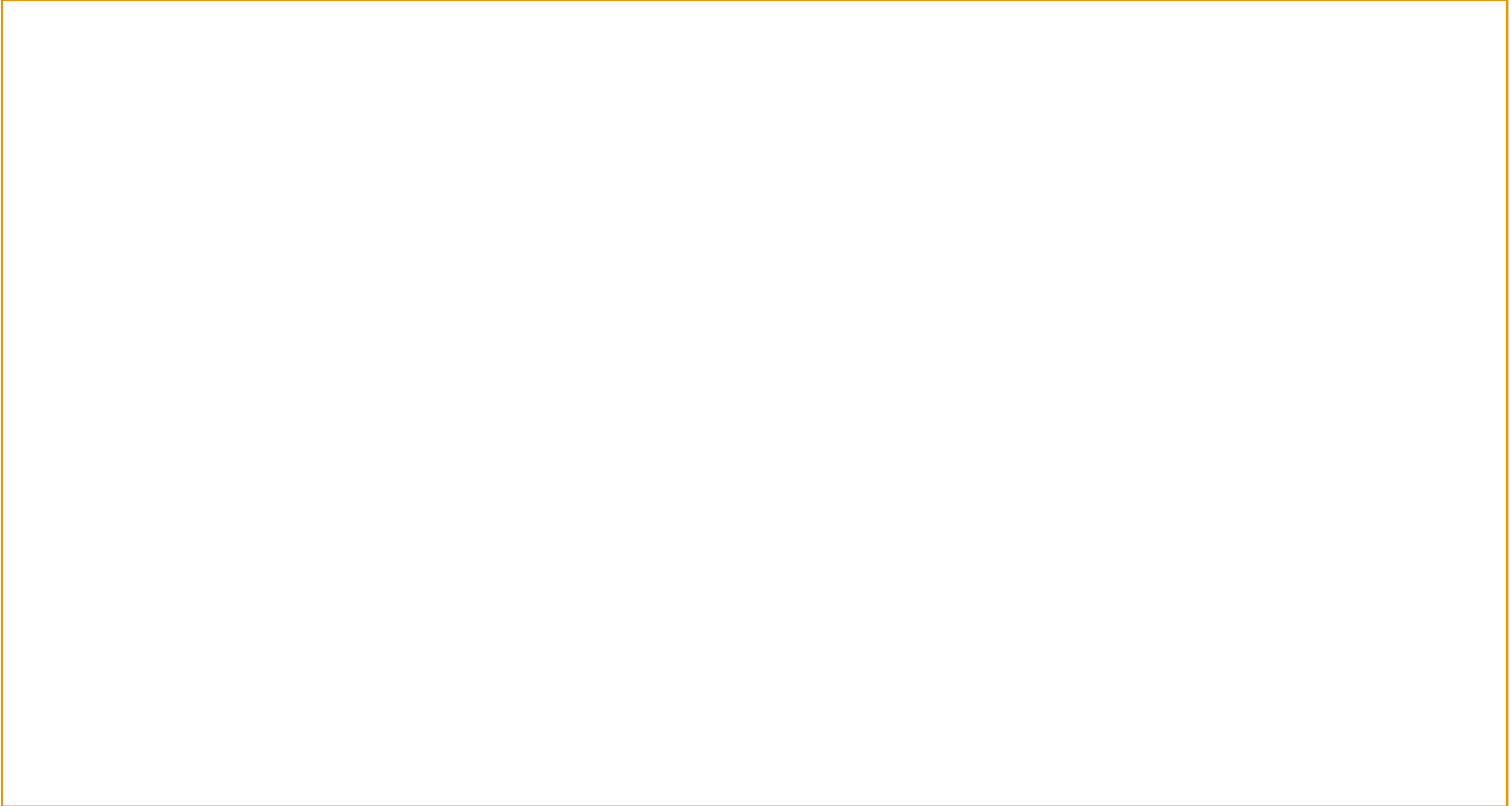
You could also think about designing a futuristic city or perhaps a city that has been affected by or is protecting its citizens against climate change - how will it change the way we live in the future? Will people live on water or underground perhaps? Design some ideas in the space below or get a bigger piece of paper to map out your ideas.



DESIGN

Once you have designed your city layout - you will need to think about the different types of buildings within your city and design some of the more important or prominent buildings. What buildings will these be and why are they more important? How will they show their importance?

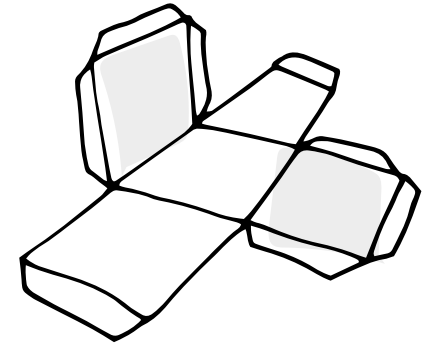
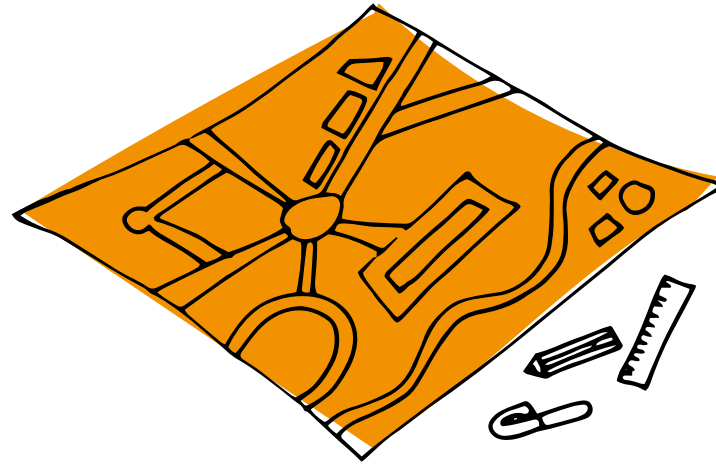
Will your city include new, exciting and dynamic architectural styles or will it be more traditional in style? Do you have any examples of buildings that you know that could inspire your ideas? You could draw these in the space below or cut out some images you find online or in magazines and newspapers to make a design idea board for your city.



MAKE

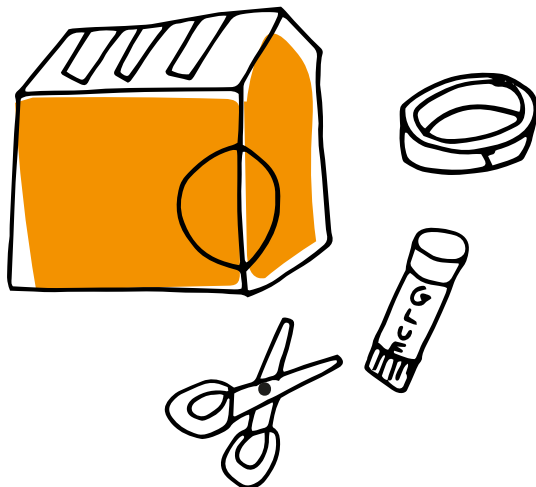
Now you're ready to create your own masterplanned city model!

- 1) Draw your city layout design or grid onto a large piece of paper or card (or several pieces of paper taped together). Add colour and decoration.



- 2) Create your buildings from your designs that you made earlier. You could use recycled materials (plastic, cardboard tubes etc.) to make your buildings as well as the building shape templates on the following pages. You could even create your own net or template for different shapes.

Add colour, pattern and textures to your models using pens, paper, bits of recycled materials (bottle tops, card etc.), collaged paper and cut out pictures from magazines and newspapers. Once you have decorated your buildings, cut out the templates and glue or tape them together.



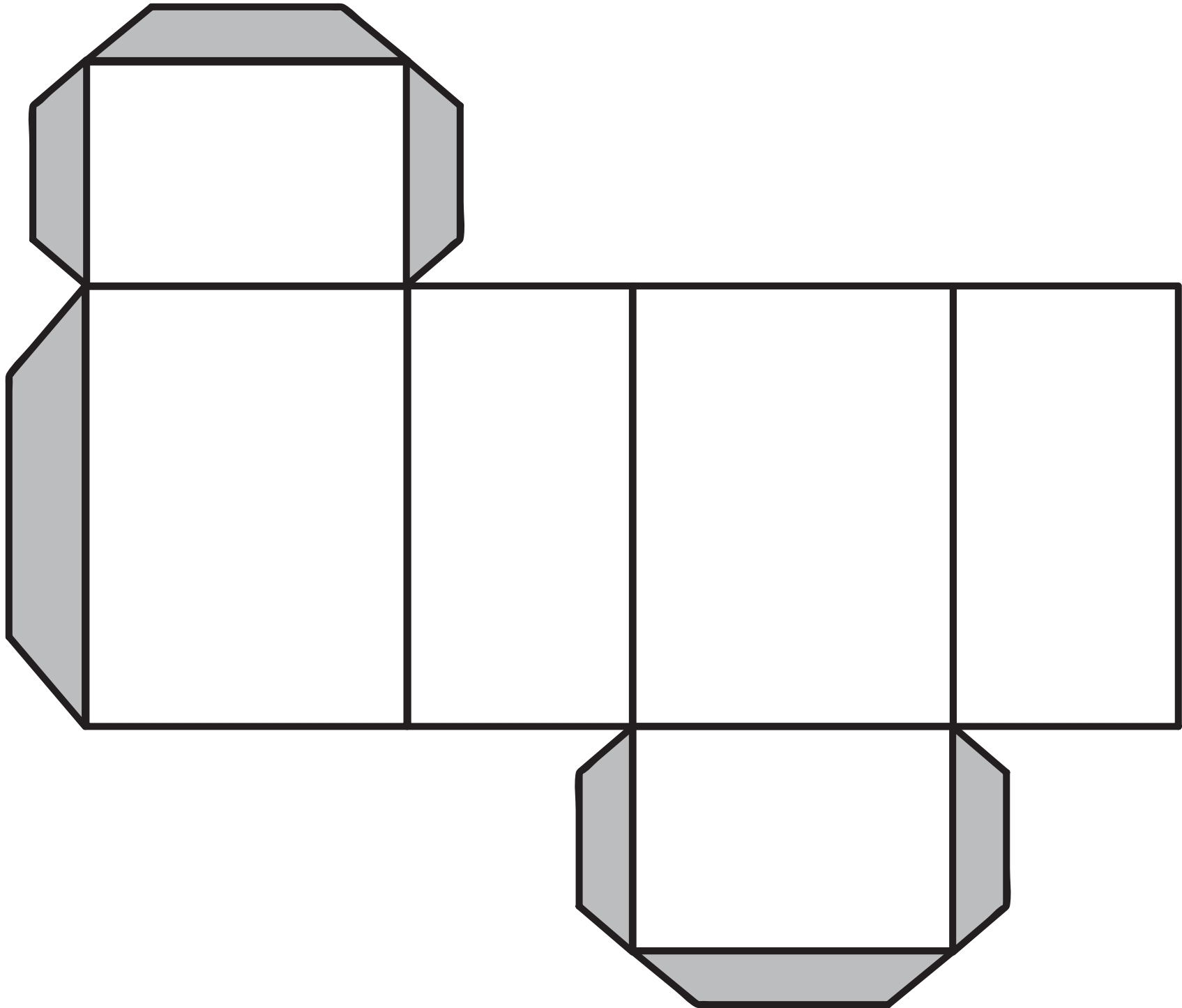
- 3) Arrange your buildings onto your city map grid.

Don't forget to think of a name for your city.

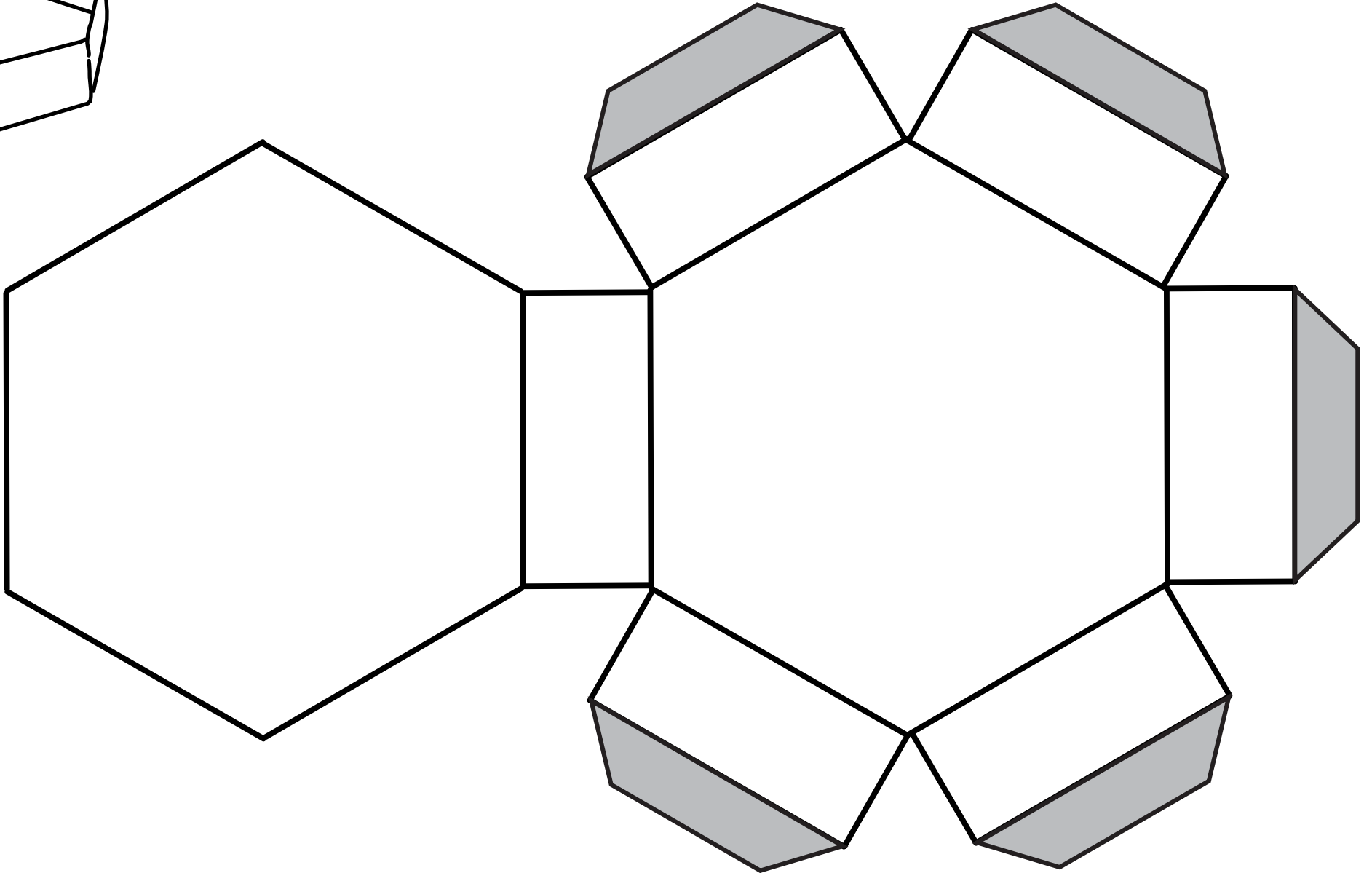
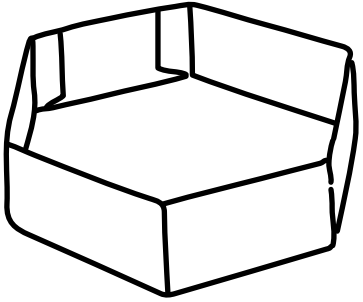
Why not add people, trees, animals, cars, trains or anything else you like to the model?



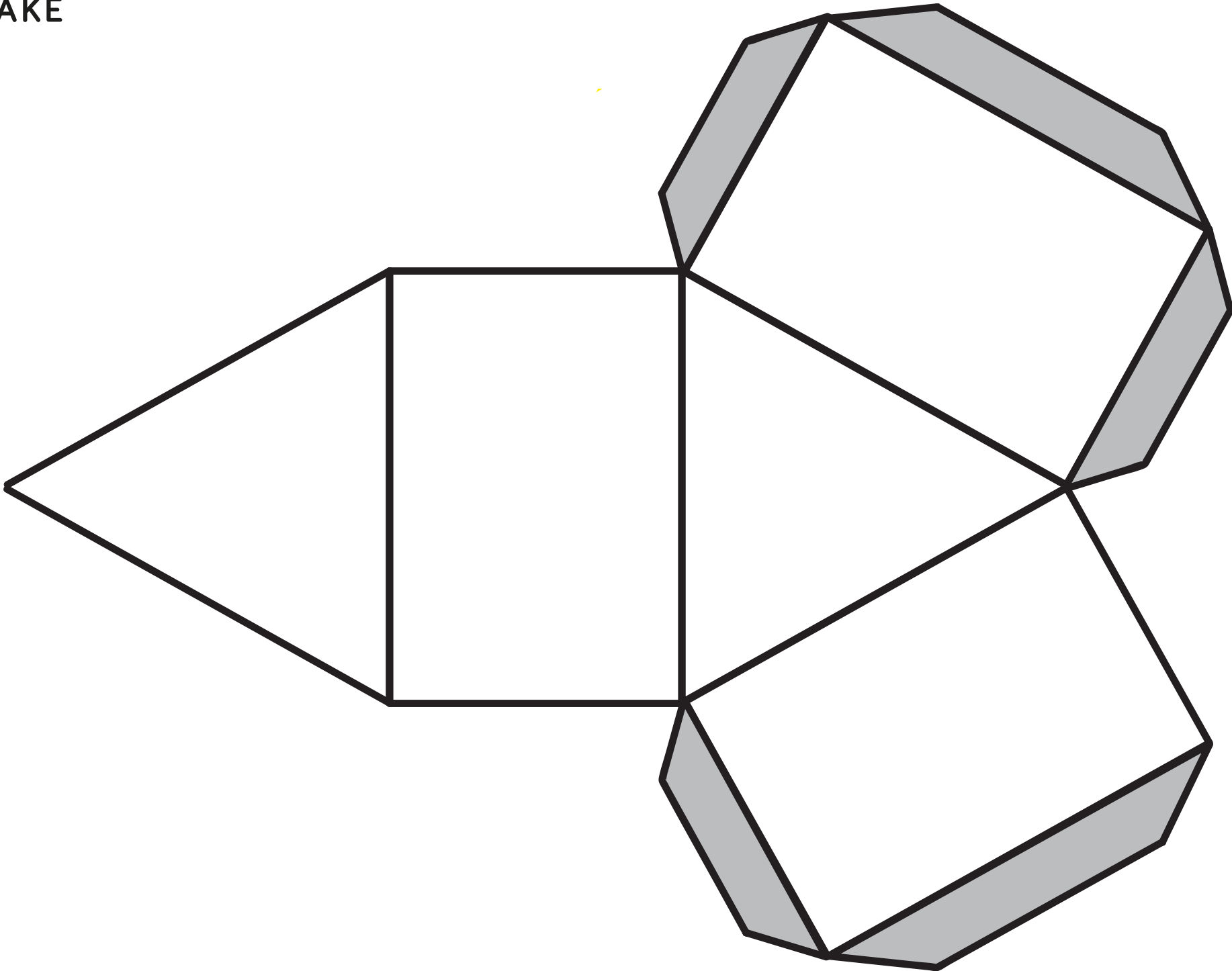
MAKE



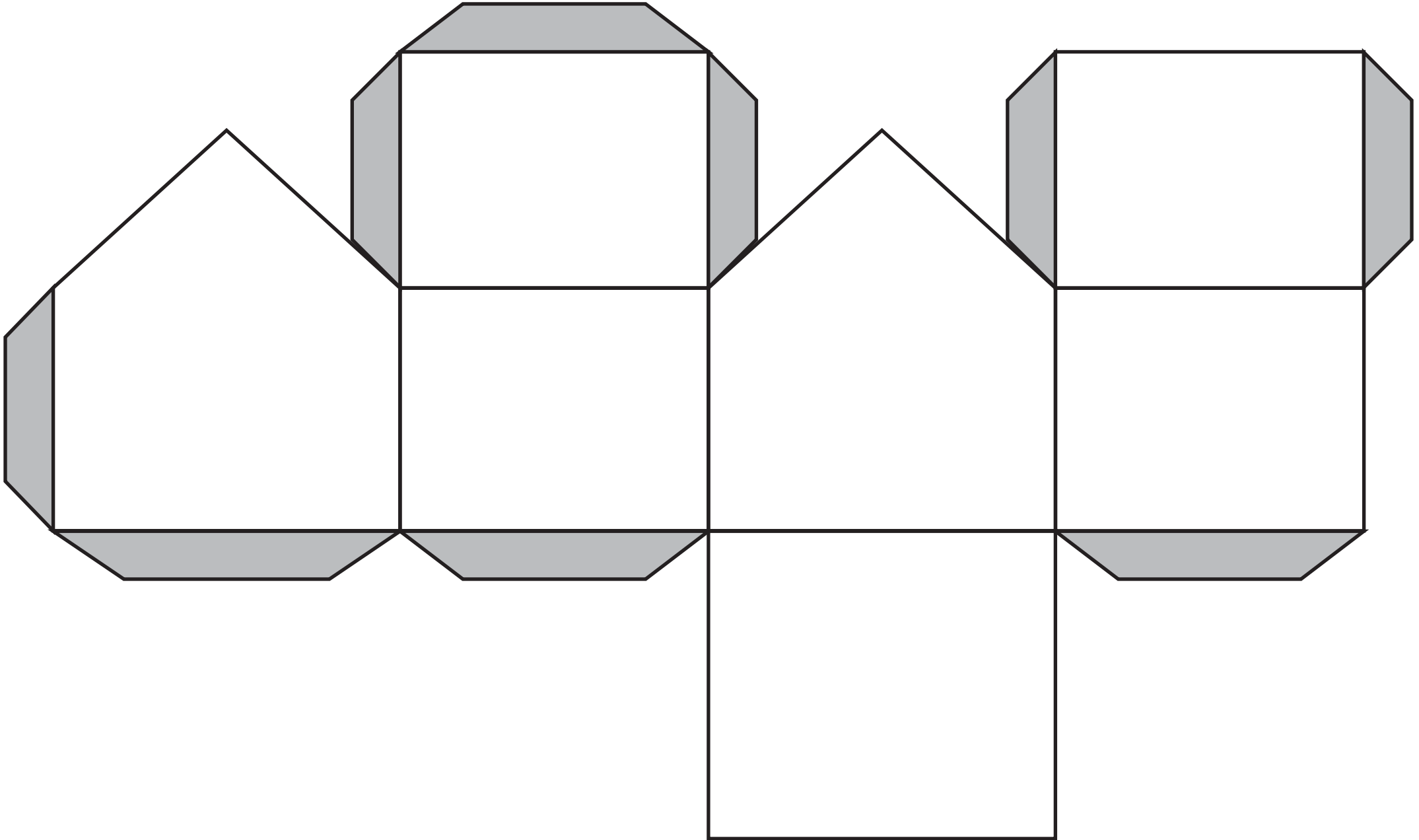
MAKE



MAKE



MAKE



GLOSSARY

Residential - a place that is used as somewhere to live - for example a house or flat

Commercial - a place that is used as somewhere for business or trade - for example a shop or cafe

Cultural - a place that is used as somewhere to experience culture - for example a theatre or art gallery

Culture - the quality of knowing and caring about art, literature, good manners and what goes on in the world

Public Services - a service that is provided for, or having to do with all members of a community - for example a library or town hall

Transport - a means to carry people from one place to another - for example a car or train

Recreation - an activity that is relaxing or fun for example swimming or reading

Catastrophic - an event that brings great harm, suffering, or loss to a large area or many people; a terrible disaster - for example an earthquake or fire

Organically - the course of gradual or natural development

Grid - parallel horizontal and vertical lines that cross each other to form squares of equal size. Grids are used to locate points on a map or to make diagrams

Radial - something that is characterised by or having the parts leading out from a central point or a circle

Quarters - a section of a town or city; neighborhood - for example a french quarter in a city

Districts - an area of a country, city, or other place used for a particular purpose - for example a business district

Climate Change - the name given to the change in global and regional climate patterns attributed to an increase in carbon dioxide in the air from the burning of fossil fuels such as oil and coal

Futuristic - related to the future in some style or sense

Prominent - easy to see or notice because of some difference. Well known or different

EXPLORE

Go explore other links and resources.

RIBApix <https://www.architecture.com/image-library/>

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