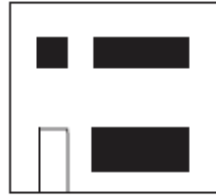


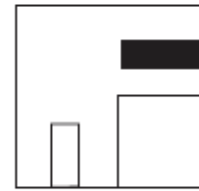
Modern Houses



1-Story Modern House



2-Story Modern House

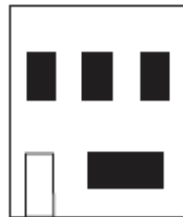


Modern House

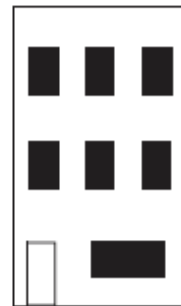


Butterfly Roof House

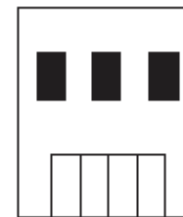
Apartments/Mixed Use



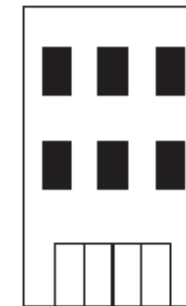
Apartment Building 1



Apartment Building 2



Mixed Use Building 1



Mixed Use Building 2

Sloped Roof Buildings



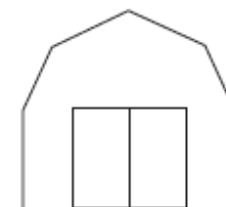
Shed Roof House



A Frame House



Saltbox House



Barn

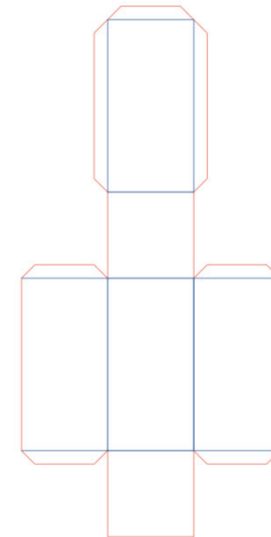
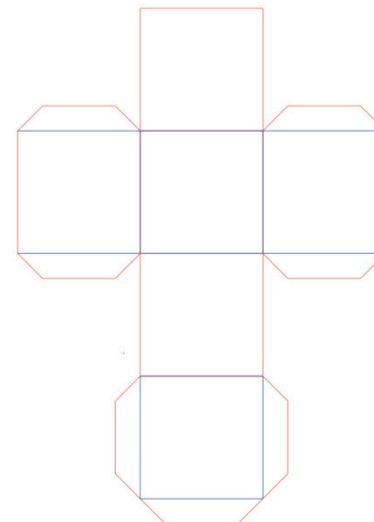
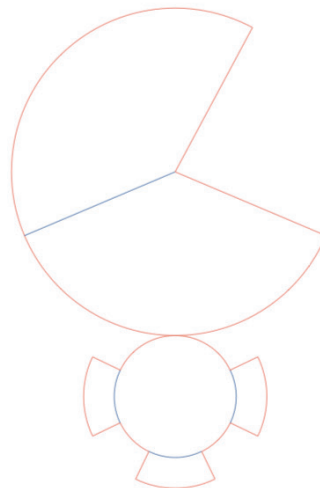
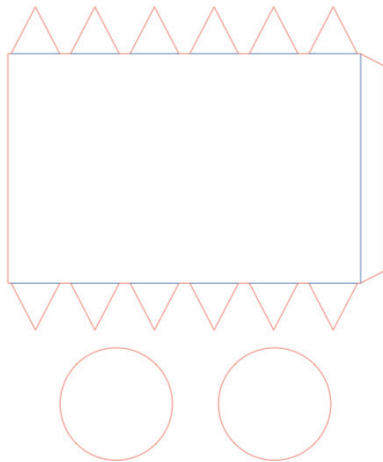
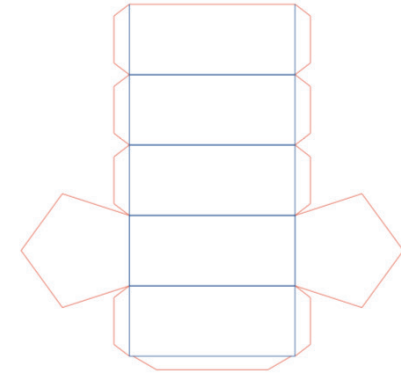
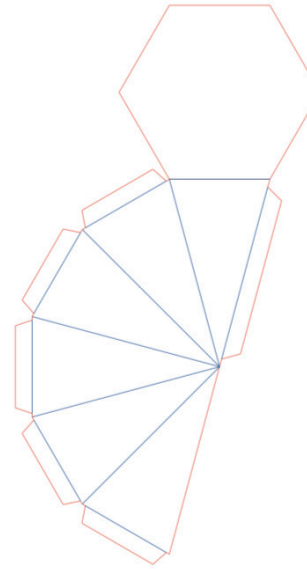
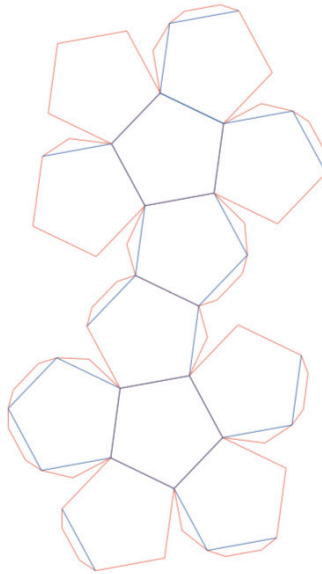
CREATE YOUR OWN CITY

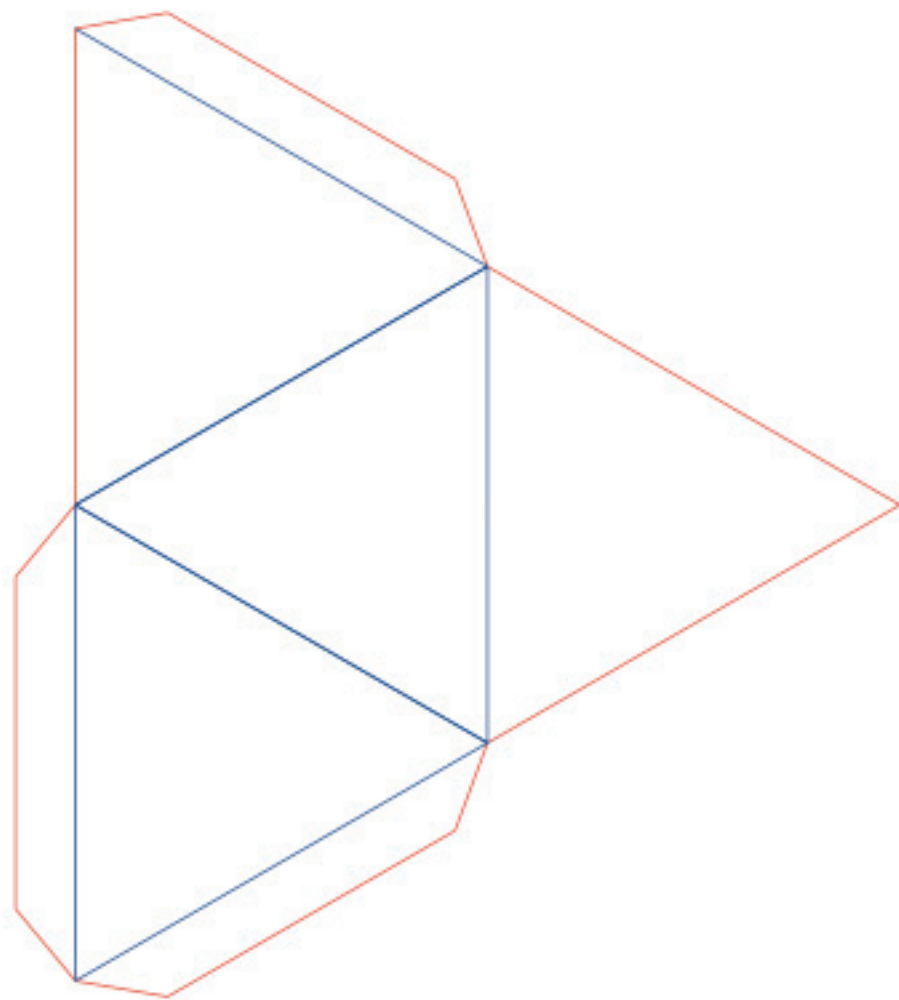
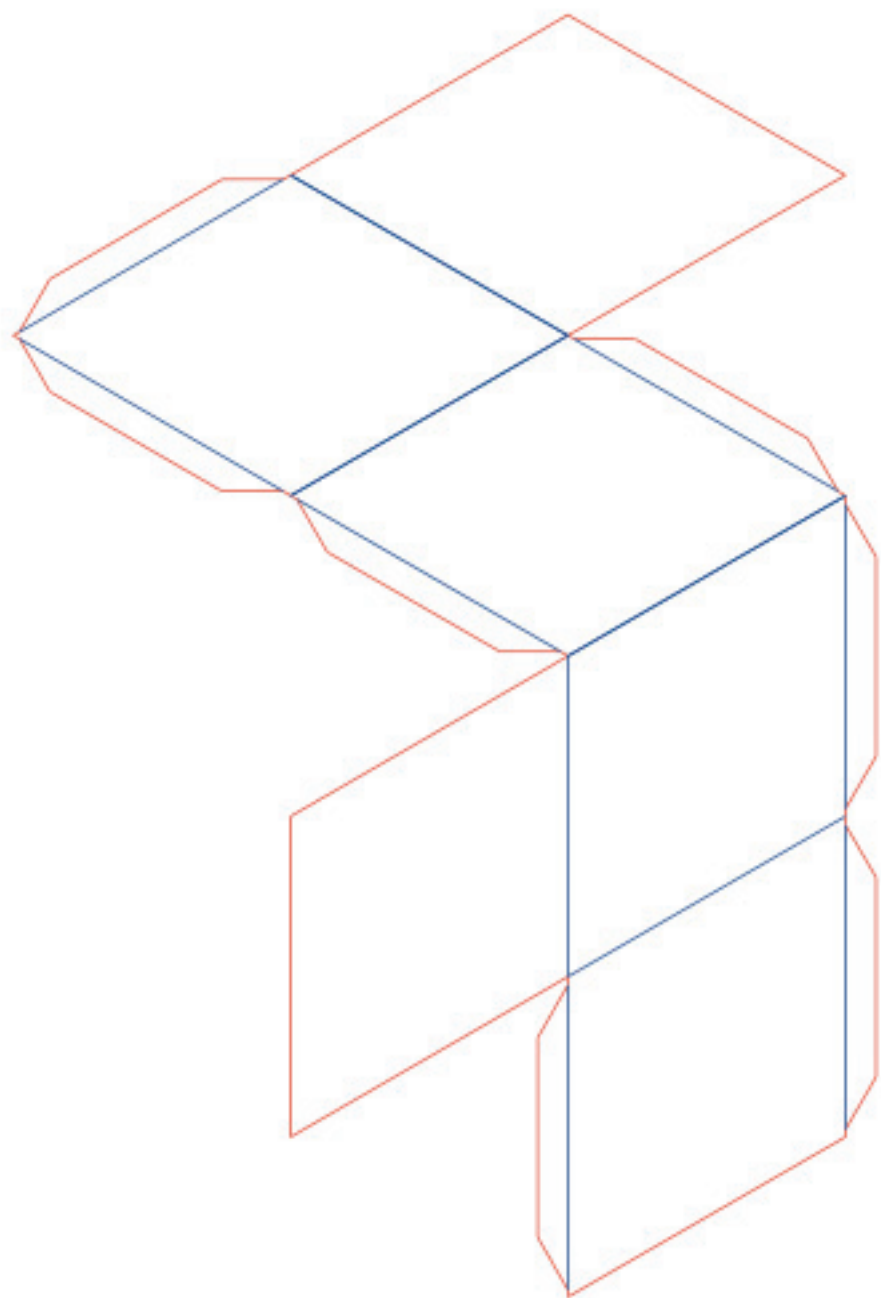
You will need

- Card or paper
- Scissors
- Glue
- A few cocktail sticks

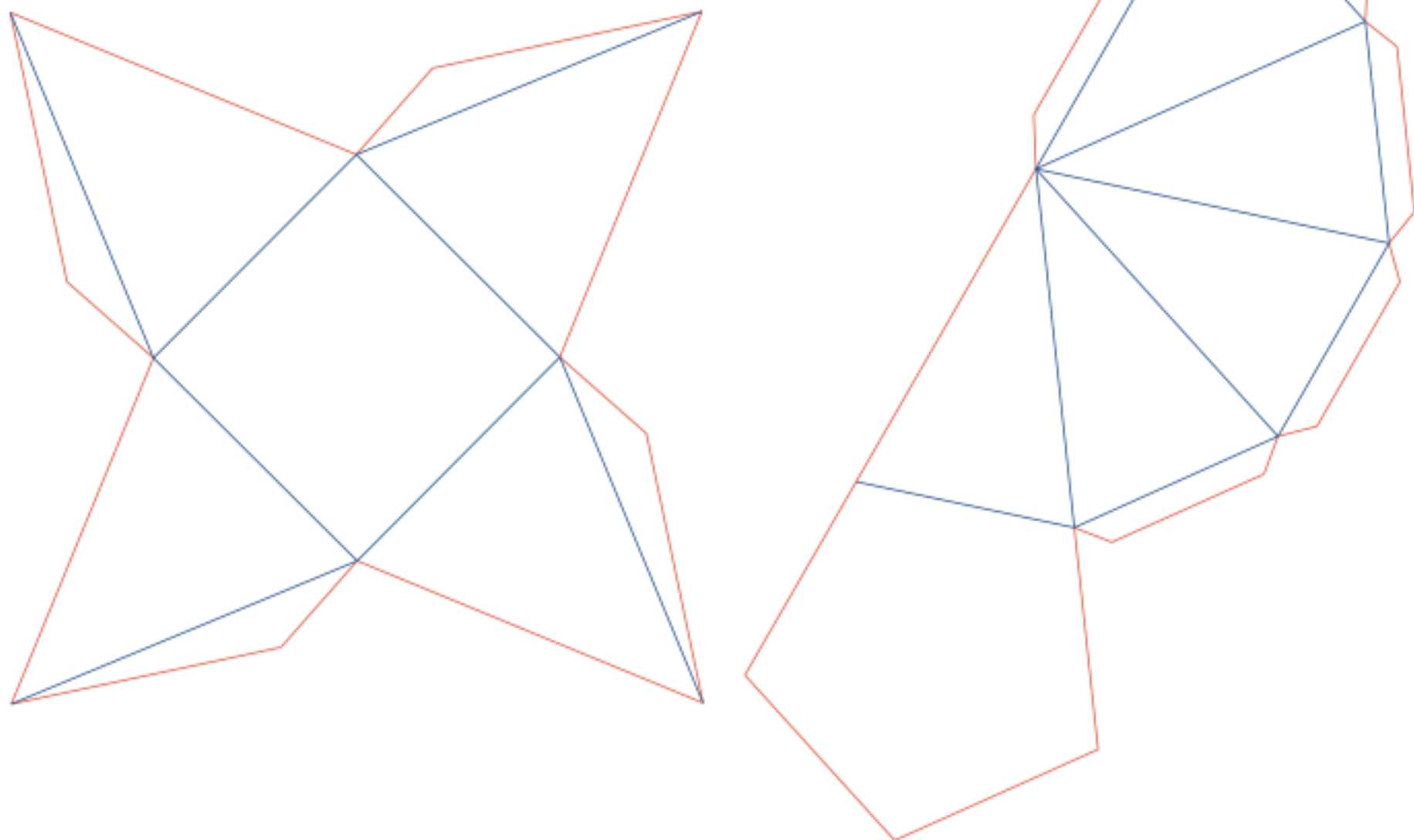
Instructions

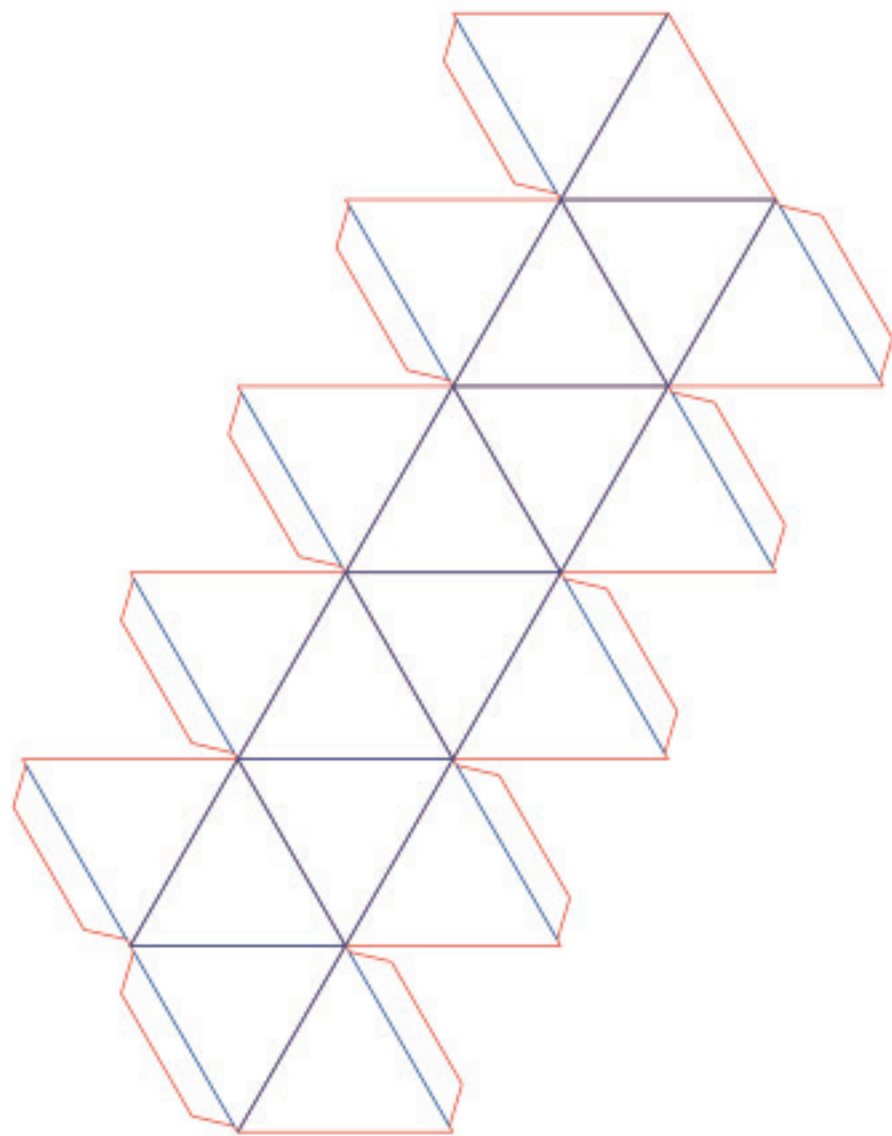
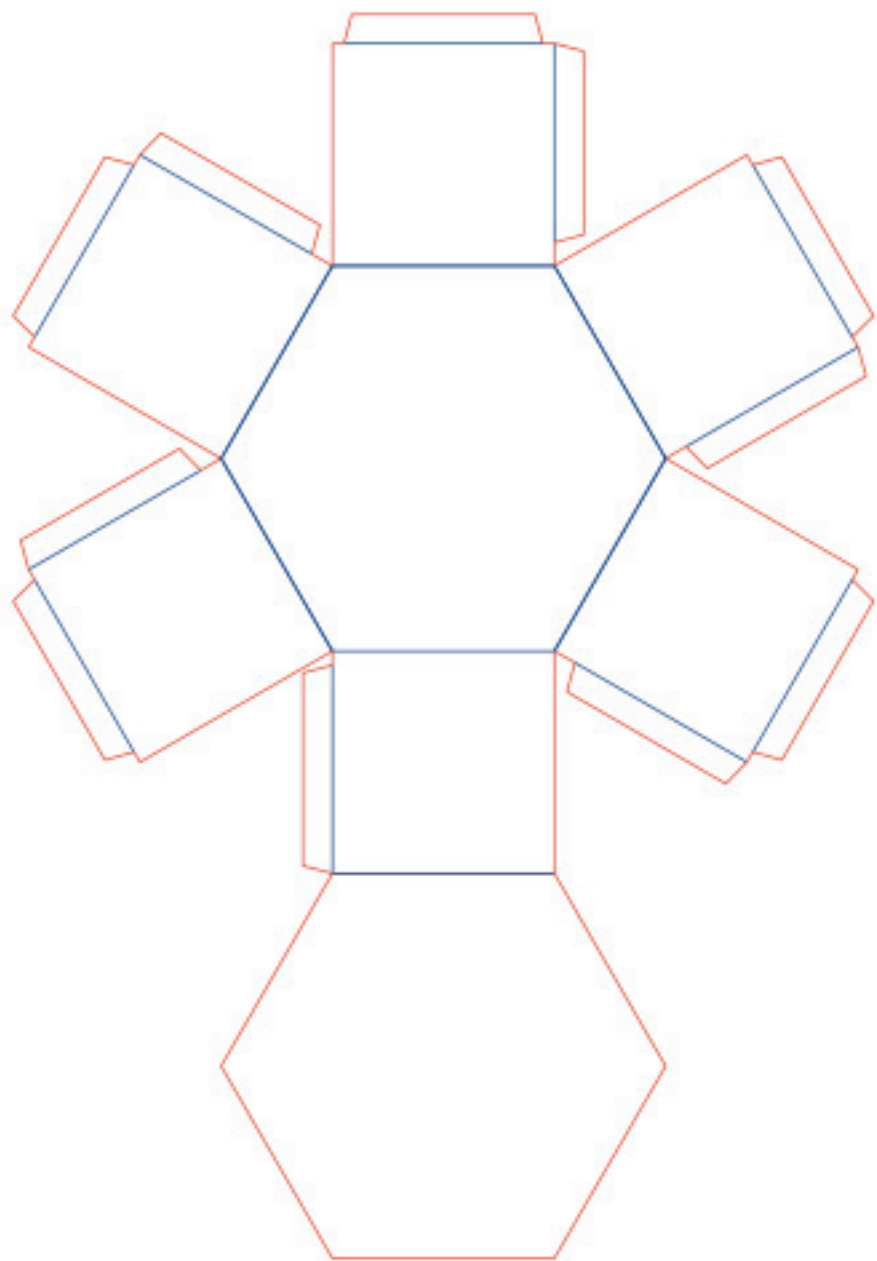
1. Cut along the red lines.
2. Fold along the blue lines.
3. Glue the flaps with the corresponding sides to create 3D blocks.
4. Create your own little city with the different blocks.
5. Don't forget to place your own little house.
6. We look forward to seeing pictures of your creations.

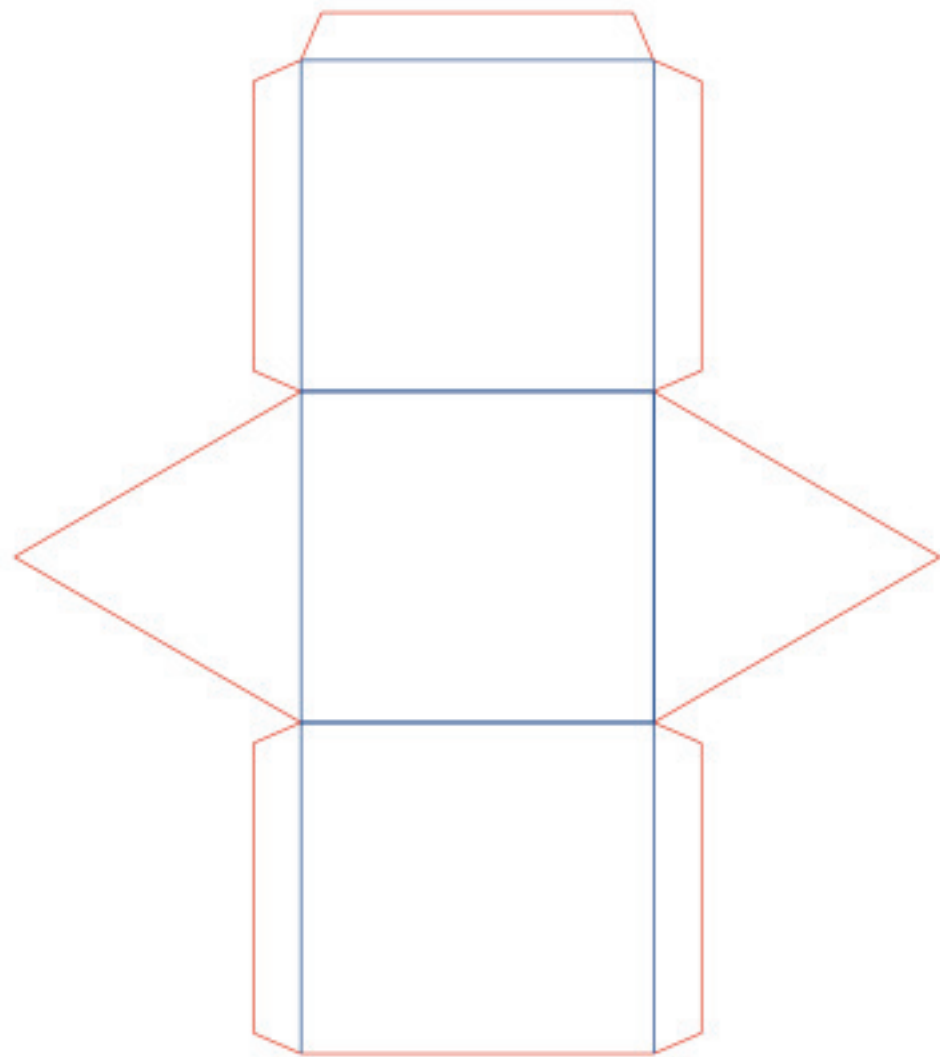
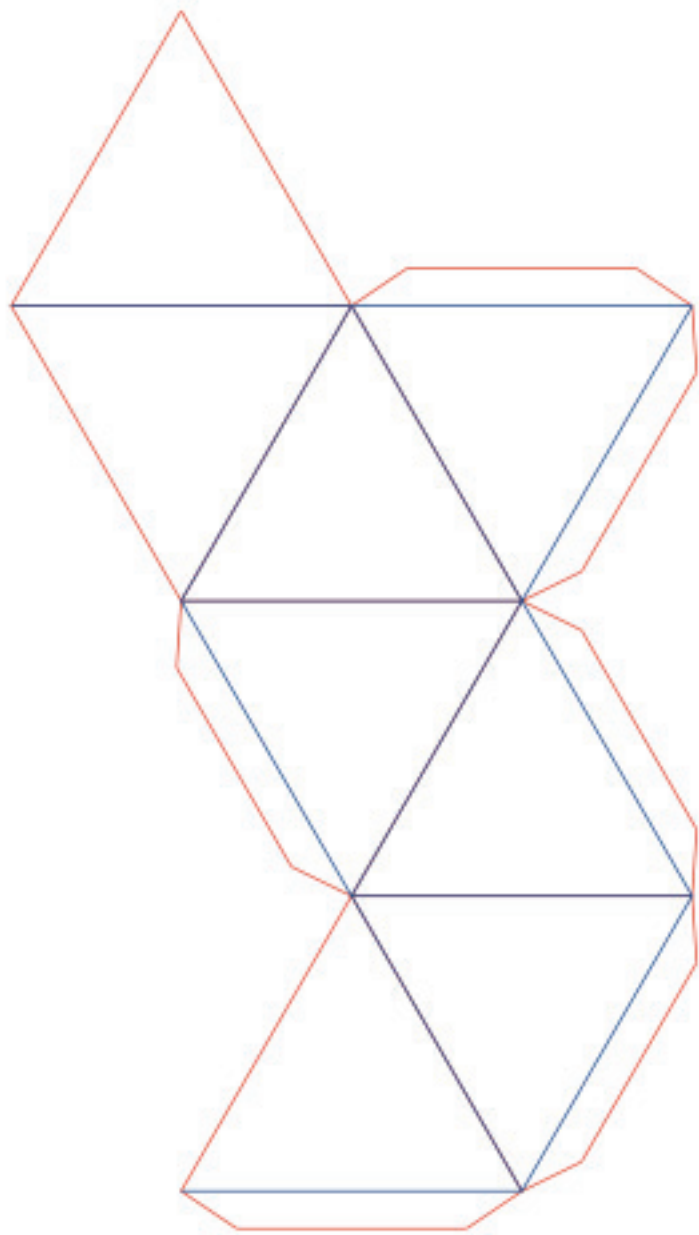


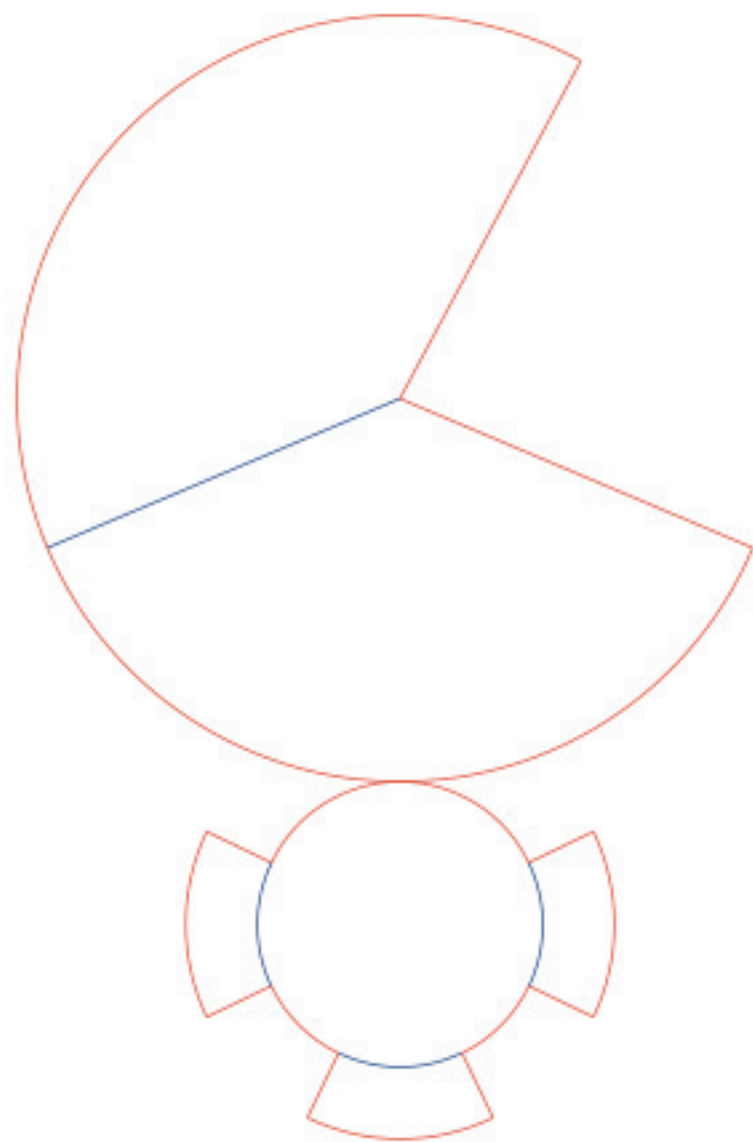
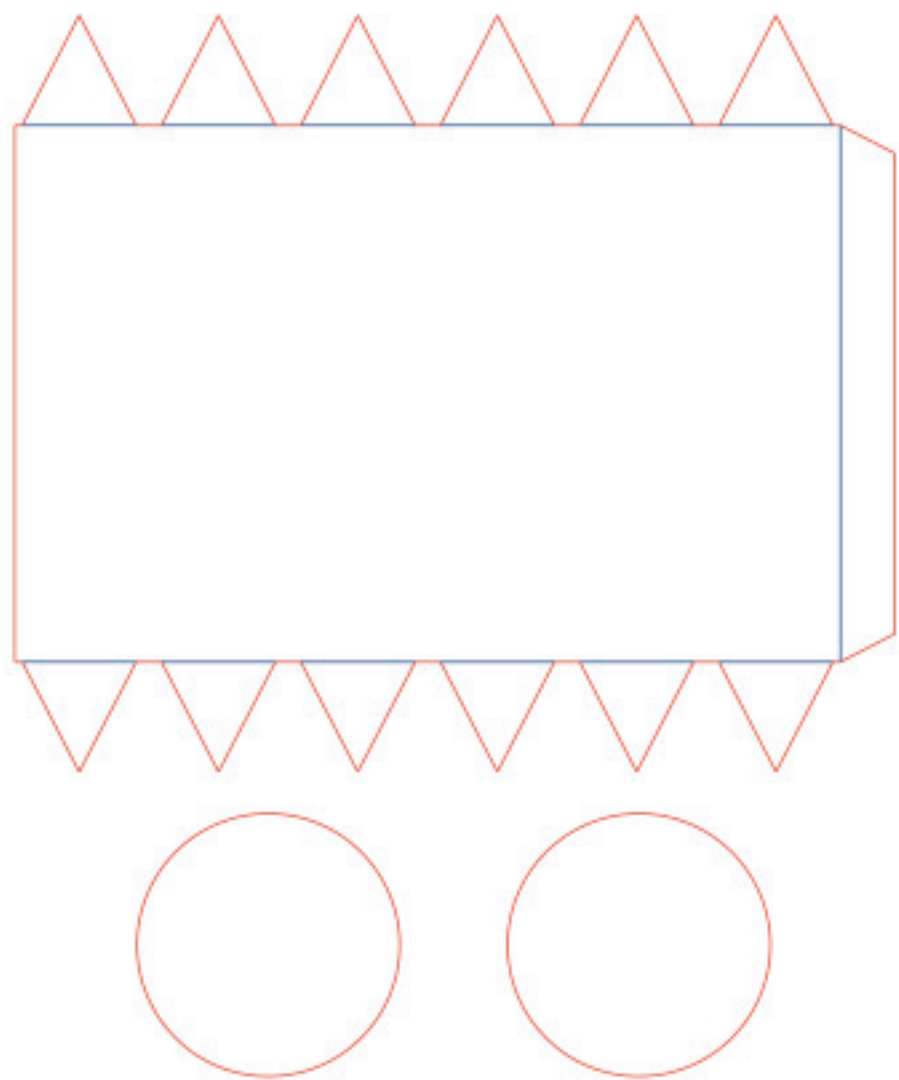


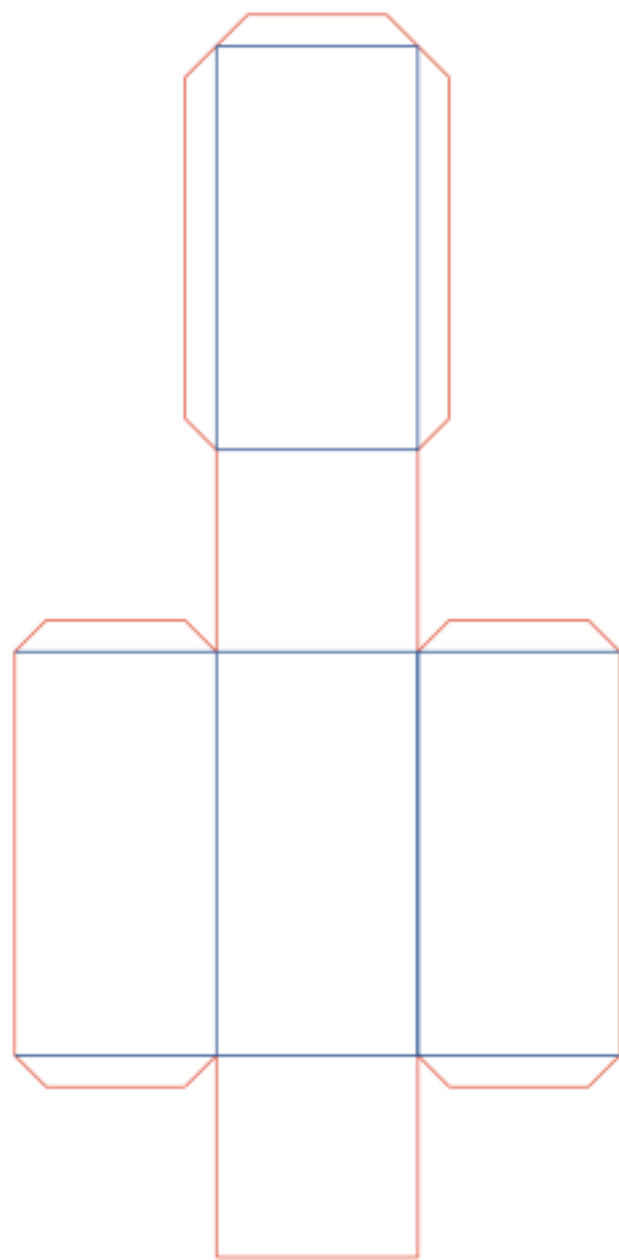
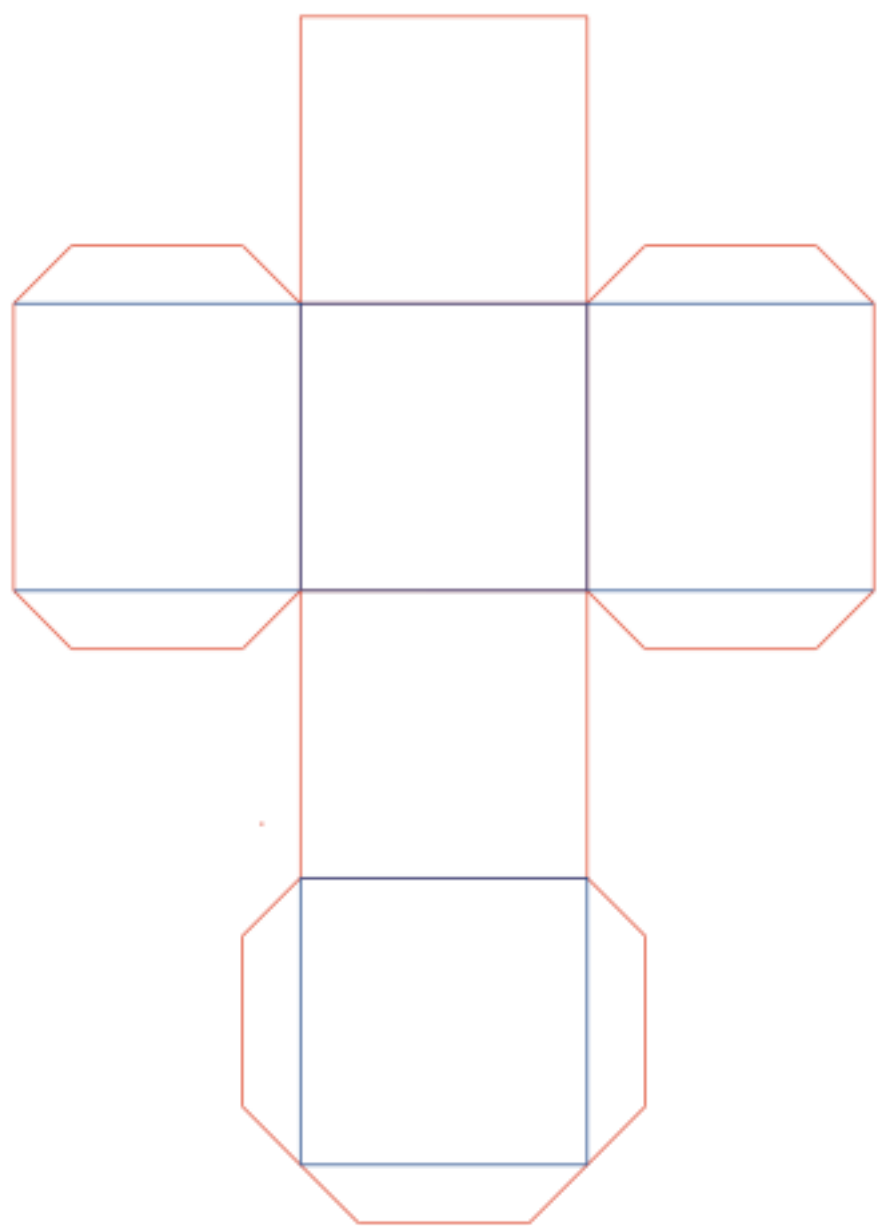
CREATE YOUR OWN CITY











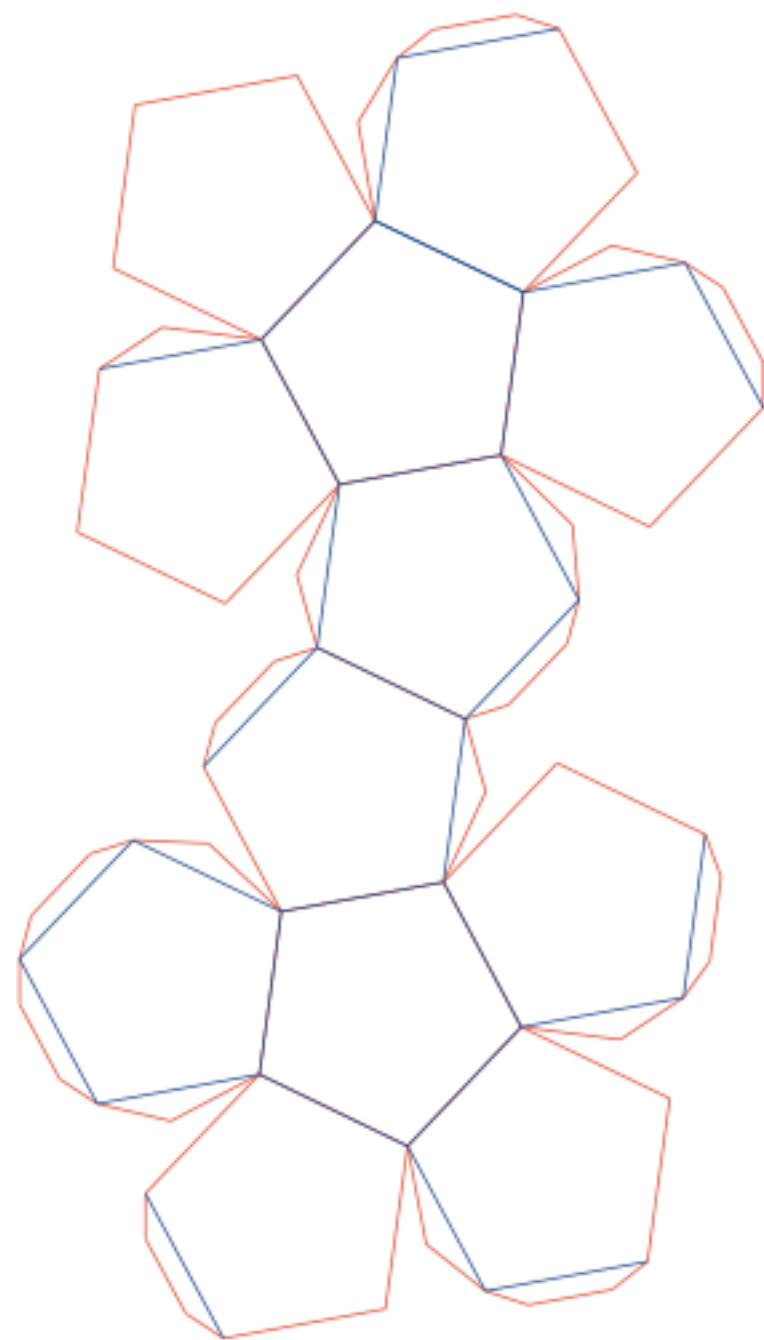
CREATE YOUR OWN CITY

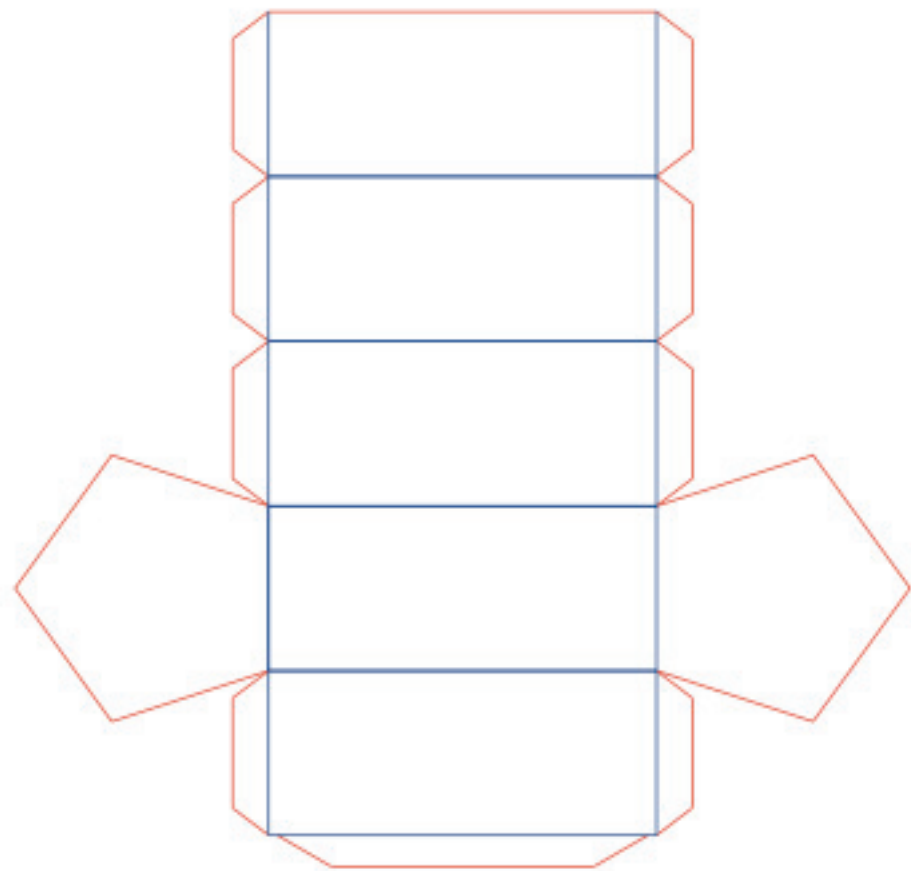
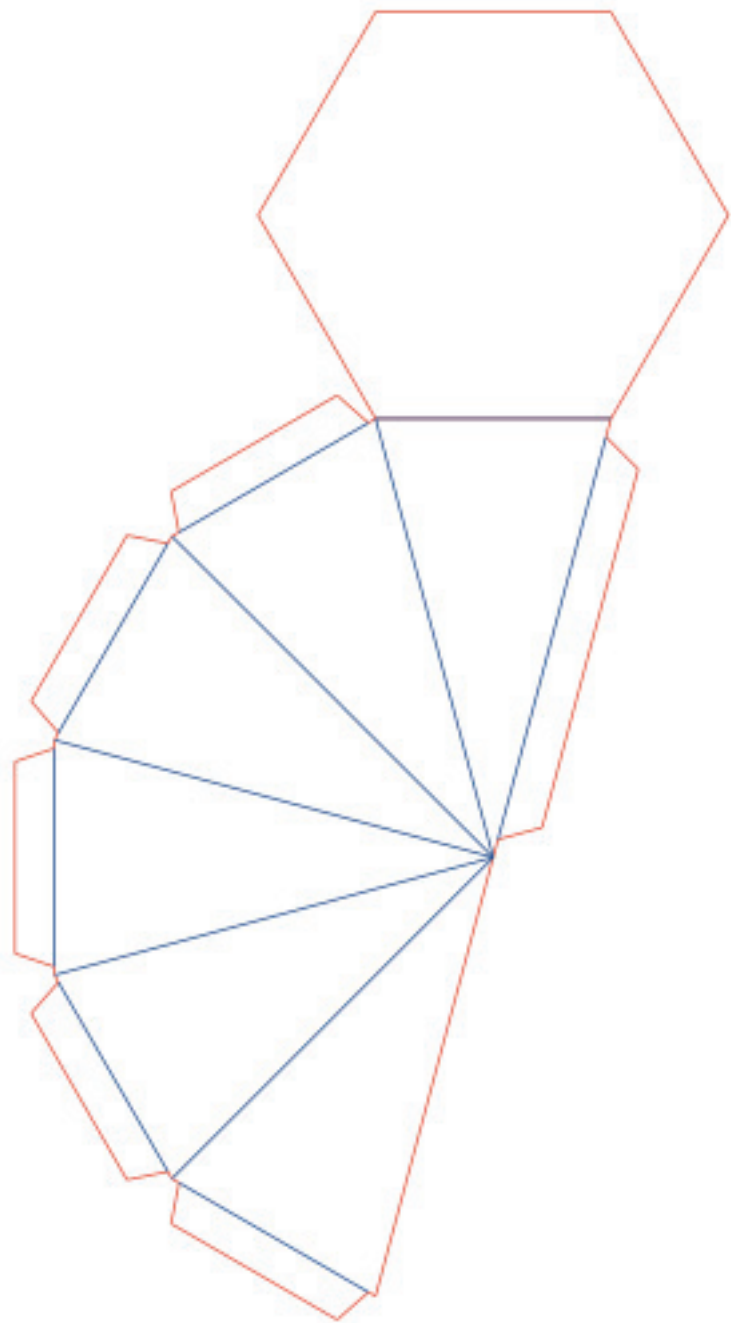
You will need

- Card or paper
- Scissors
- Glue
- A few cocktail sticks

Instructions

1. Cut along the red lines.
2. Fold along the blue lines.
3. Glue the flaps with the corresponding sides to create 3D blocks.
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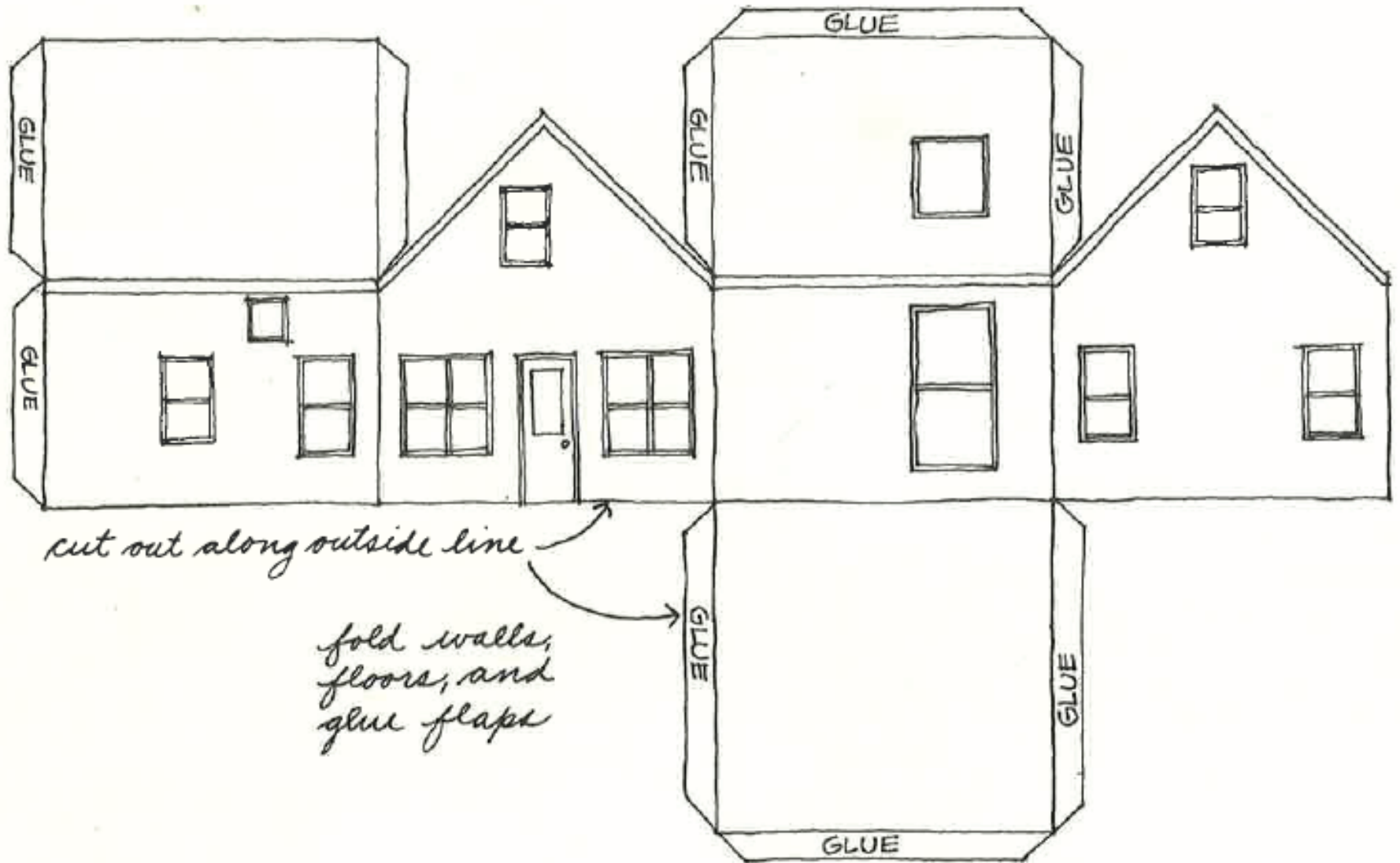




PAPER VILLAGE TEMPLATES

by Ana Dziengel



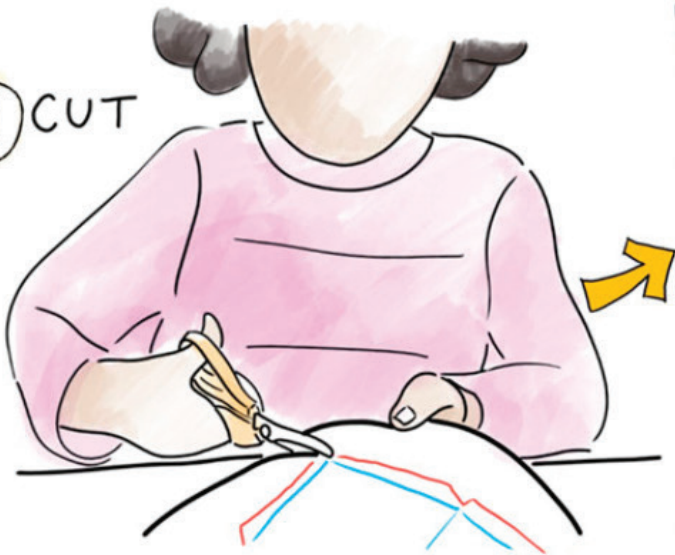


cut out along outside line

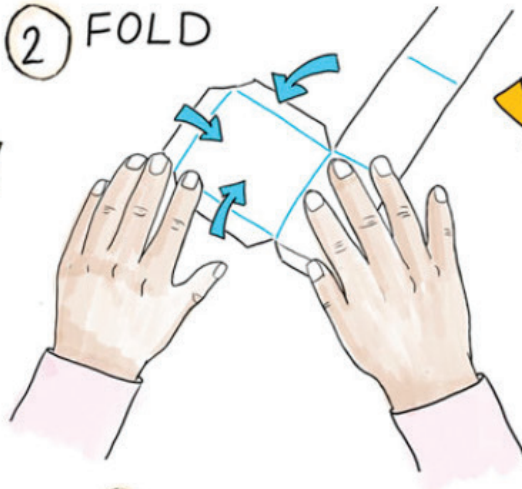
*fold walls,
floors, and
glue flaps*

PAPER SKYSCRAPER

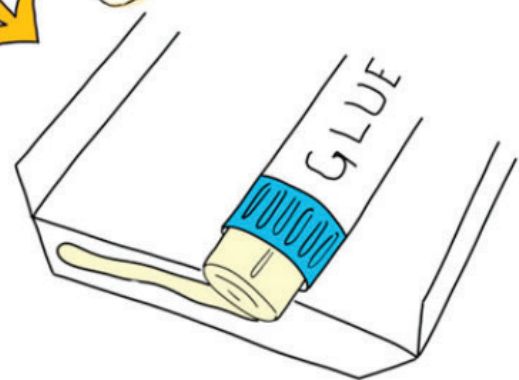
① CUT



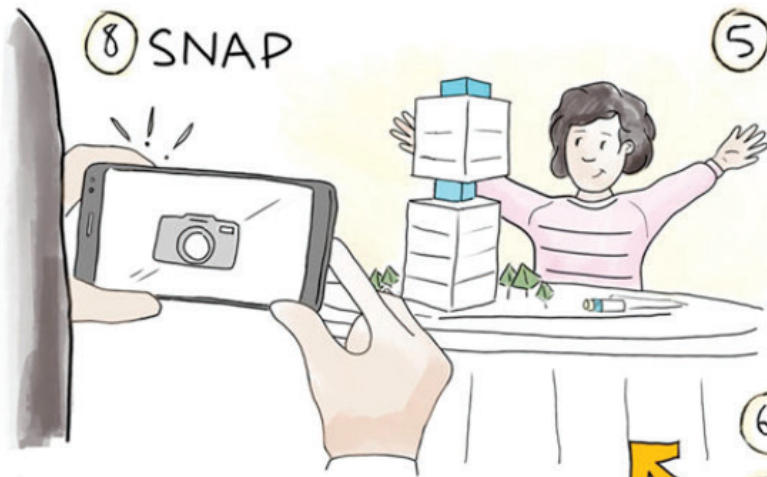
② FOLD



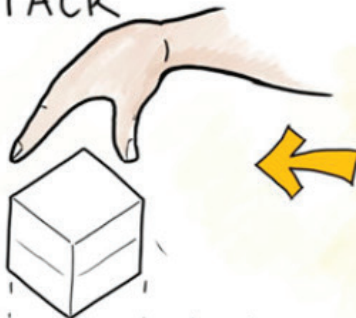
③ GLUE



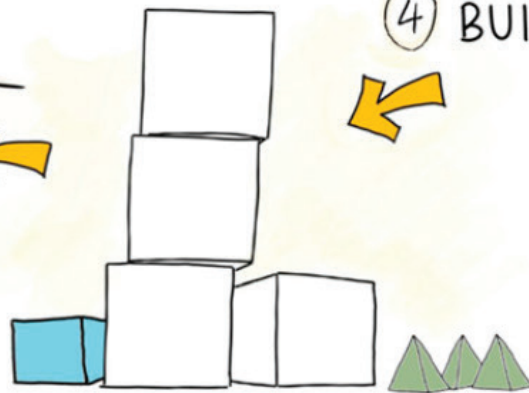
⑧ SNAP



⑤ STACK

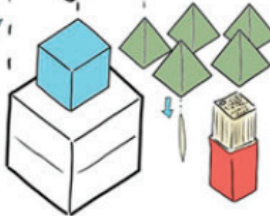


④ BUILD



⑥

⑦



IN DE PLOOI!

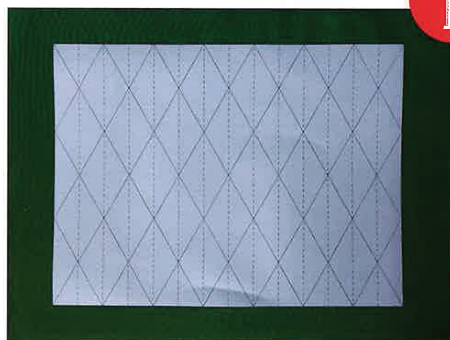
Wie ooit een harmonika in zijn handen heeft gehad, weet dat papier verbazingwekkend sterk kan zijn. Je moet er alleen wel even iets voor doen!

Door te vouwen wordt een vel papier supersterk. En des te meer vouwen, des te sterker het wordt. Dit principe wordt ook vaak toegepast bij ontwerpen in beton of van hout. Zo ontwierp de Japanse architect Shigeru Ban in 2004 een uitbreiding aan een huis (het Hanegibos) met een dak dat zichzelf overeind houdt! De romp was gemaakt van gevouwen metalen platen zonder steunmuren of -pilaren. Binnen is de ruimte helemaal vrij ... Wij gaan dat ook doen. Niet van metaal, maar gewoon met een vel papier. Aan de slag!

DIT HEB JE NODIG:

- wit of gekleurd A4 papier, niet te dik (gewoon papier van 80 grams is perfect)
- het patroon (zie stap 1)
- een printer

1



1 Ga naar www.plint.nl/dada-in-de-plooi.pdf. Download en print het patroon. Knip het uit.

2 In de origami zijn er zogenaamde berg-vouwen (vouwen die naar buiten wijzen) en dal-vouwen (vouwen die naar binnen wijzen). Op het patroon hebben we de berg-vouwen aangegeven met ondoorbroken lijnen. De stippellijnen zijn dal-vouwen. Vouw alle lijnen naar de juiste kant en strijk alle vouwen nog eens na met je nagel zodat ze echt goed strak zijn!

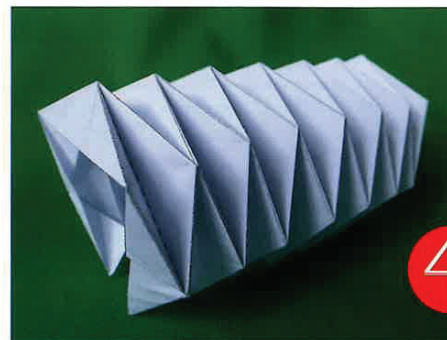
3 Vouw vervolgens eerst alle kleine driehoekjes aan de zijkant van het papier. Werk de zijkanten af. Het papier zal dan als een schelp sluiten.

4 Druk het geheel als een accordeon in elkaar en strijk alle vouwen nog eens na met je nagel.

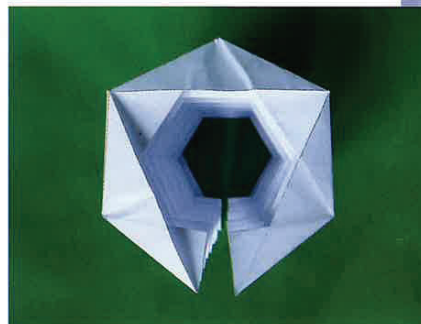
5 Trek dan de accordeon weer uit elkaar en voila: de romp is klaar! Voel je je al een architect? Probeer het dan ook eens op groter formaat en stuur ons een foto van het resultaat (hallo@plint.nl) We zijn heel benieuwd!

Archibibi

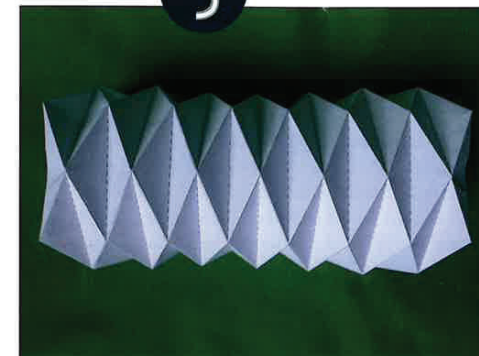
2



4



3



5

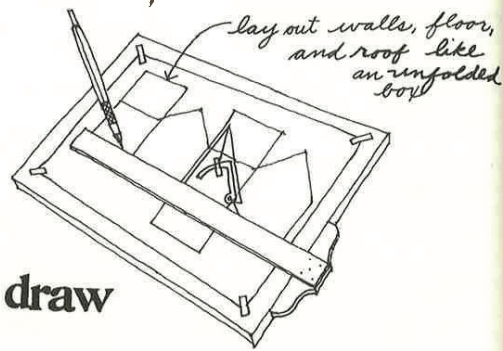


8. Study Models

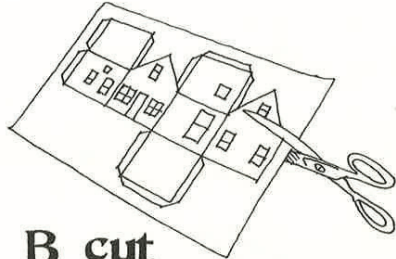
The next step is to make a paper or cardboard study model. These are used to explore shapes, inside space, and light.

There are two types of study models which will be helpful in your designing. The first type is the small mass model. Mass models are, as the name implies, to study the overall shape or massing and if you want to study the basic window arrangement or "fenestration." They are easy to make and are usually made to the scale of one-eighth inch equals one foot.

They are made out of lightweight strathmore or tag board (or even shirt cardboard). They can be easily made by cutting, scoring, and folding as shown here.

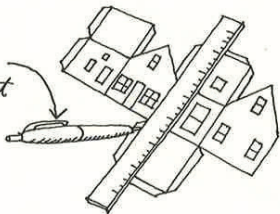


A draw



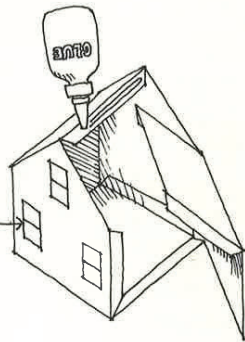
B cut

use a dry ball point pen or similar blunt tool to score the fold lines.



C score

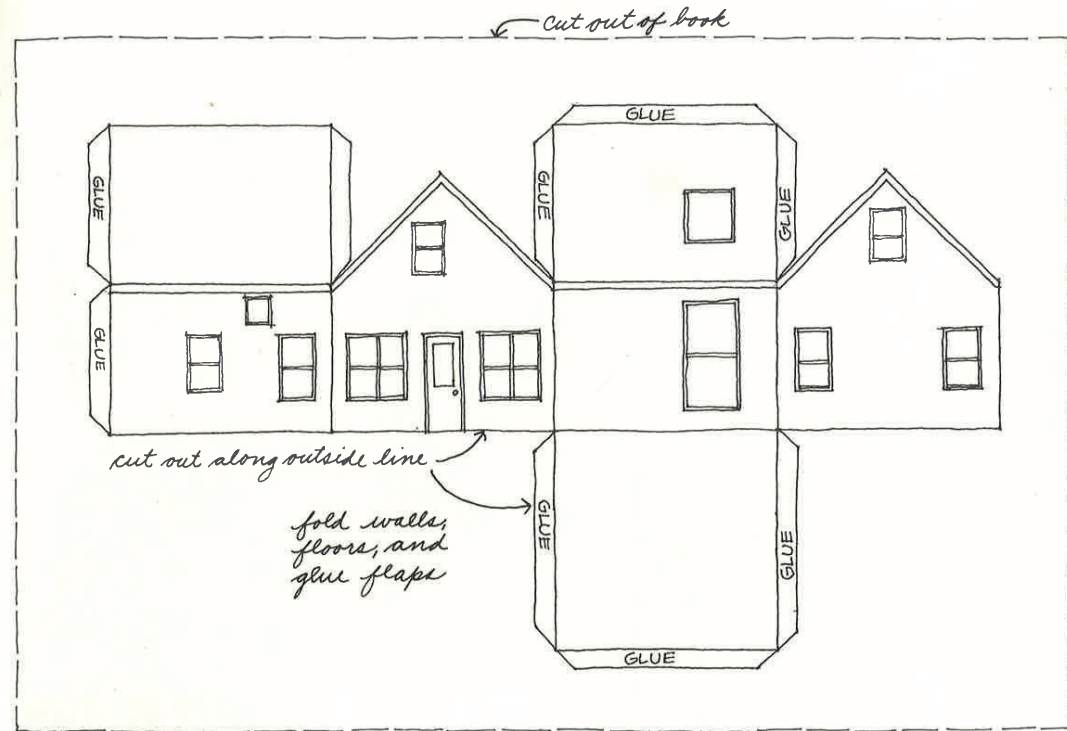
you can cut out windows

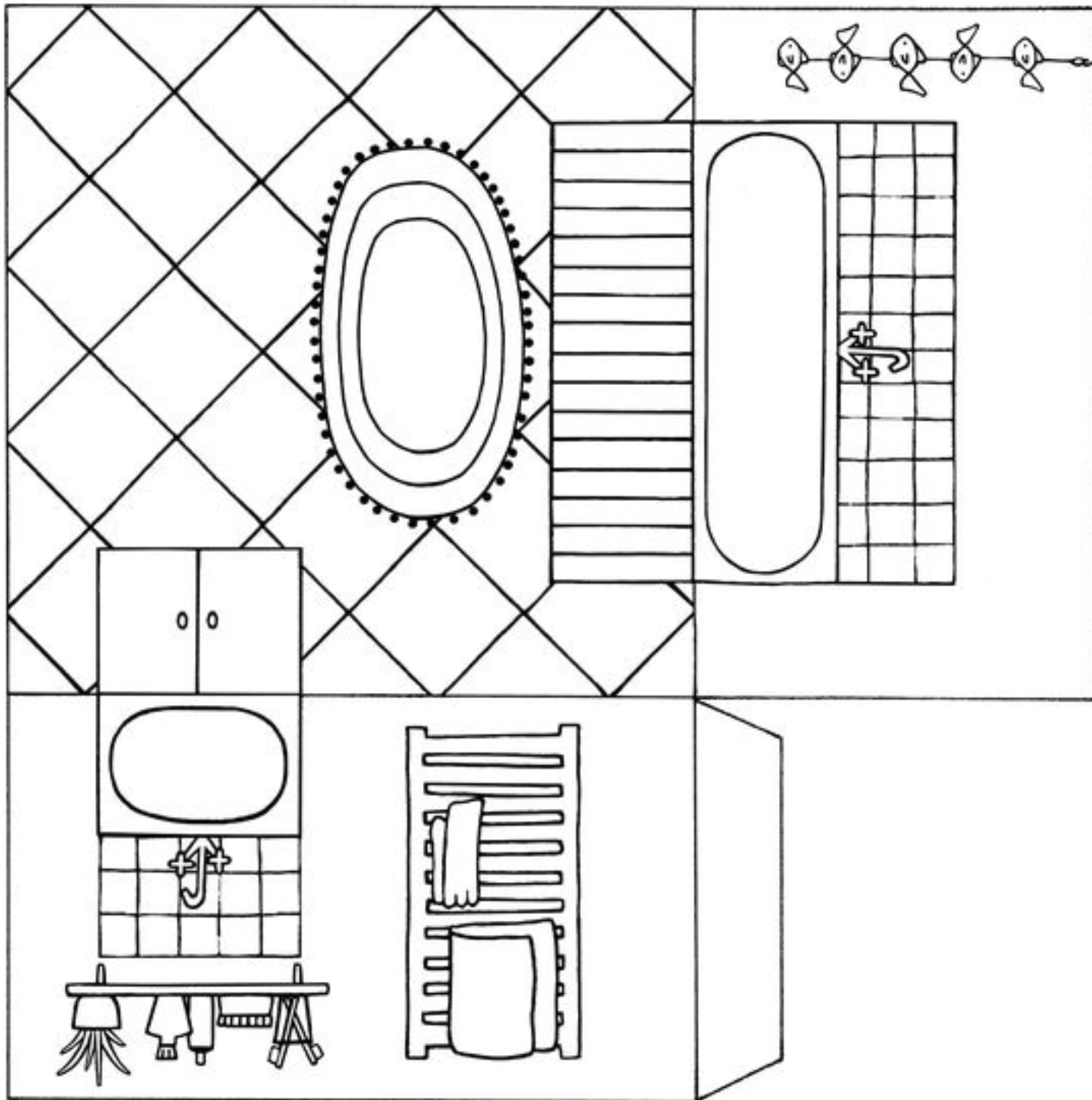


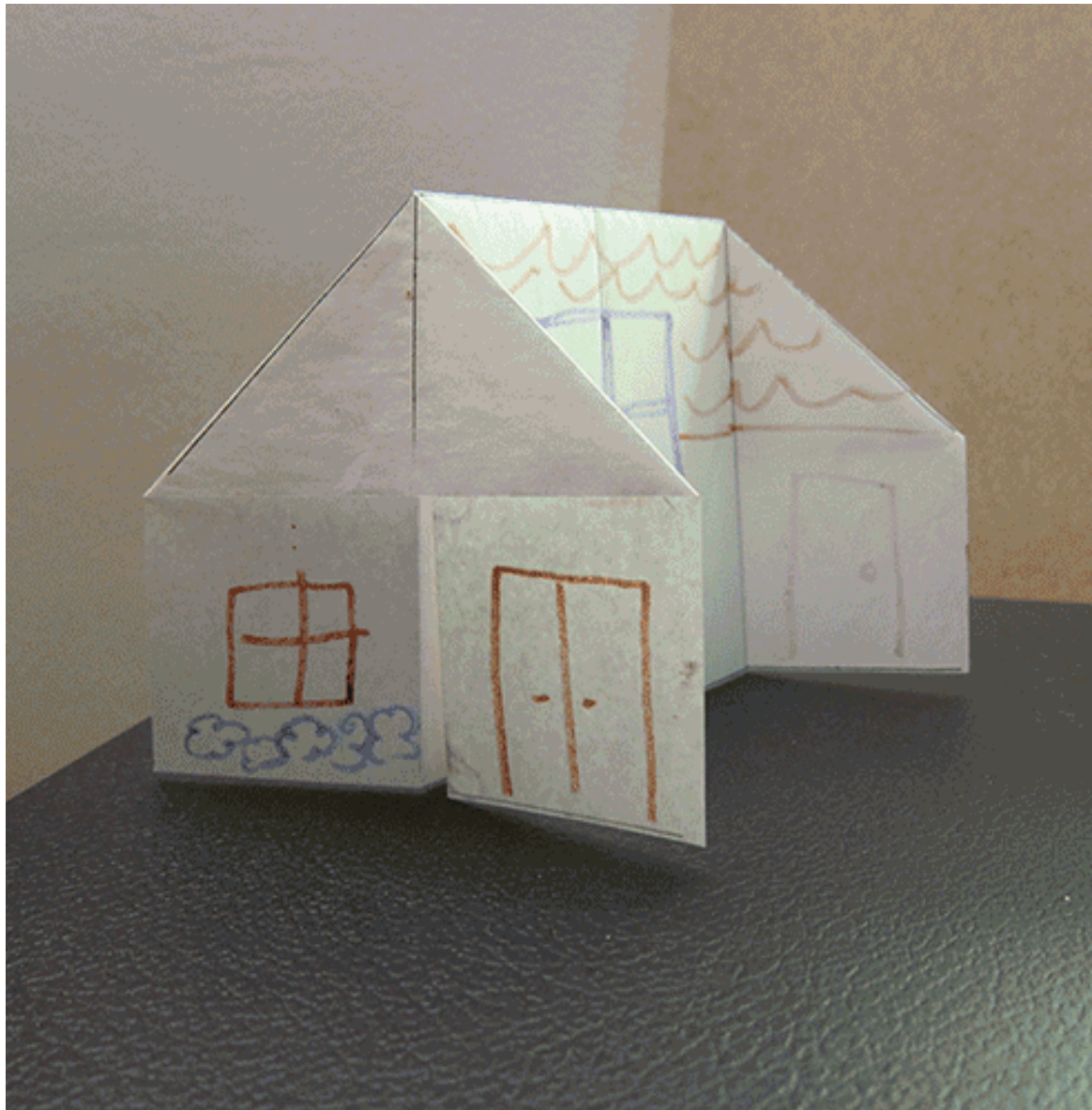
D fold & glue

mass model

To get an idea of how to make a mass model, cut out the model and put it together as shown here.







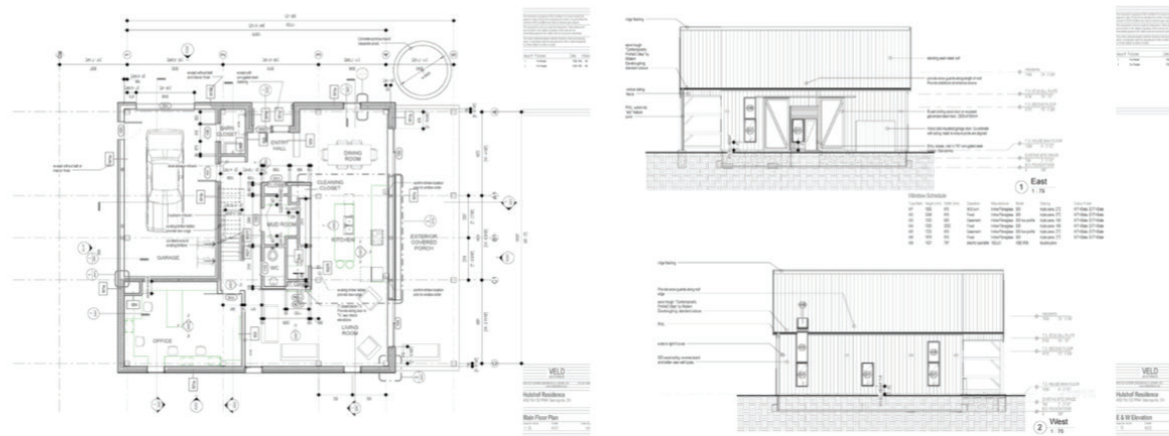
<http://archkitecture.org/wp-content/uploads/2015/10/origamihousemed.gif>

Architecture for Kids



Architects design many kinds of buildings from big landmarks buildings like churches, to schools, and even houses. They design the spaces by arranging furniture, thinking about how people live and work, and of course what a building should look like. Architects are able to visualize both the interior and exterior of rooms and buildings using their imagination, and 3D computer programs. Architects are also responsible for safety in buildings, how buildings are built, energy use, and many other things. Architects train for almost as long as doctors to become good at their job. They have to know a lot about many different subjects and have good creative problem solving skills to design good buildings.

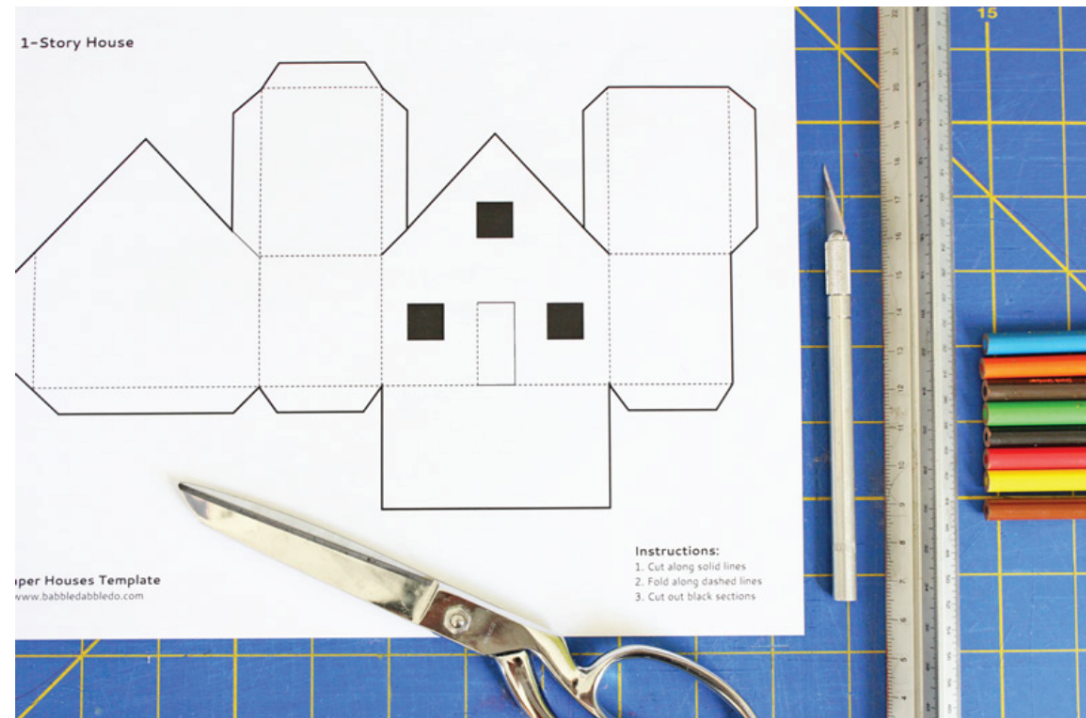
An Architects main job is to create a set of drawings that visually shows what a building looks like and how it should be built. These drawings are called Orthographic projections. Here is an example of some orthographic project drawings of a house.



An **orthographic projection** is a way to show a 3D object by its 2D sides. For example a 3D box can be described by drawing each side, (top, front, back, and sides) individually. This is the same for a building. A drawing is created for each side of the building, as well as the top or roof!

Paper Houses

Materials



PRINT 3 HOUSE TEMPLATE HERE

- o **Template**
- o **Card Stock**- This is THE BEST DEAL on it!
- o **Scissors**
- o **X-Acto Knife** and straightedge
- o **Tape and/or glue stick**
- o **Colored pencils or pens**

<https://babbledabledo.com/design-for-kids-paper-houses/>