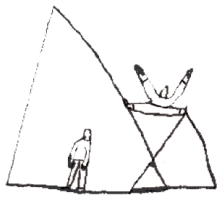
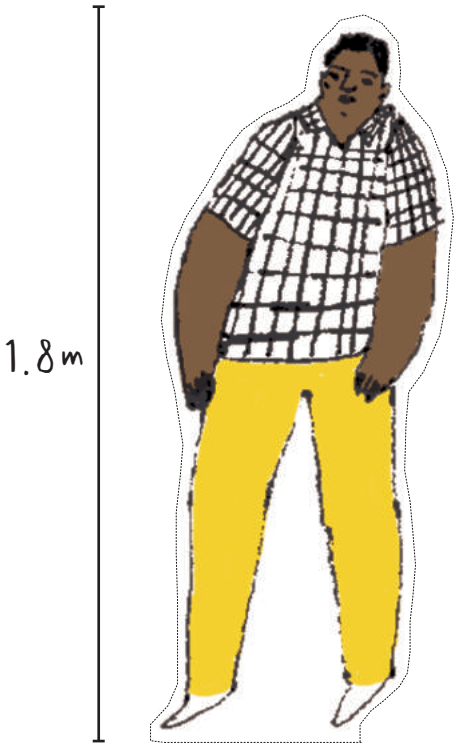
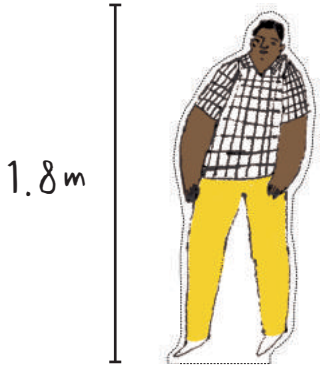


SCALE AND PROPORTION

Look at these examples and think about how big they'd be in real life!



Scale 1:25
on A4 paper



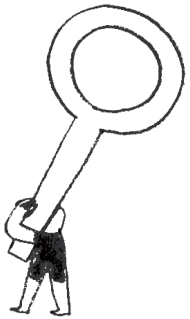
Scale 1:50
on A4 paper

THEY'D BE 100 TIMES BIGGER IN REAL LIFE!

Scale 1:100
on A4 paper

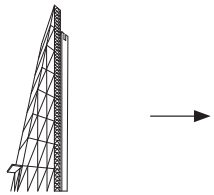
FACT SHEET

Show on screen or print



Key information:

- UNITS:
  1 centimetre x 100 = 100cm
  100cm = 1 metre (1m)
- Architects use 'metres' because 'centimetres' are too small in comparison to the size of a building!
- SCALE:
  Scale is used in Architecture as a tool to represent buildings at a smaller size to allow them to fit on a standard sheet of paper, e.g. A4 or A3.



BIG BUILDING
TINY PERSON

NORMAL SIZE PERSON
TINY BUILDING ON PAPER

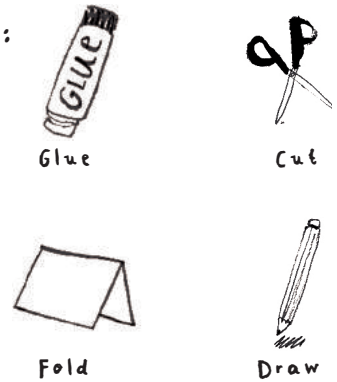
SCULPTUREIN THE**CITY** FAMILY ACTIVITY

ACTIVITY 8: BUILD YOUR OWN SCALED CITY PART 1

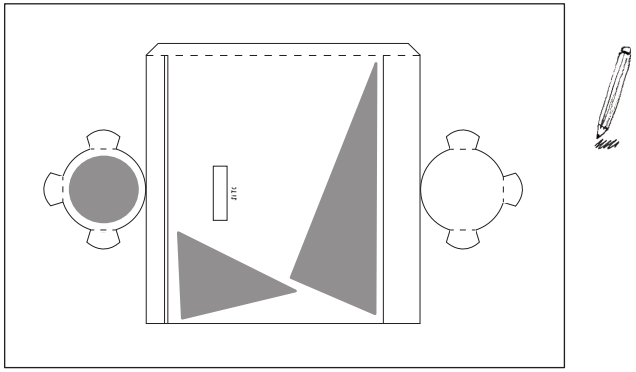
WHAT YOU NEED:

- Toolkit (for Activity 8 Part 1)
- Colouring pencils/felt tips/paint
- Scissors
- Glue or (double sided) sticky tape

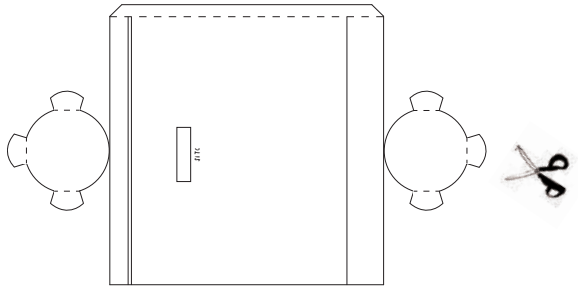
KEY:



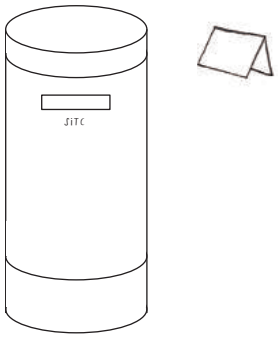
Step 1: Colour in the scaled people and the postbox/bus. You could even paint them but make sure you let them dry before step 2!



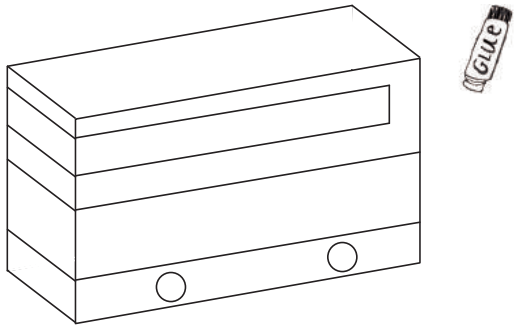
Step 2: Cut out the templates of the postbox/bus and the corresponding scaled people.



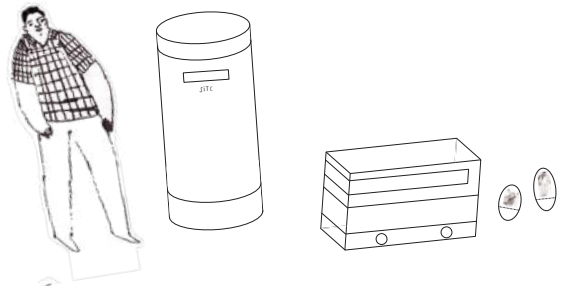
Step 3: Fold along the dotted lines on both the net shapes and the people. Roll (for the postbox) or fold (for the bus) the net together to make it 3D.



Step 4: If needed, use glue or a small piece of sticky tape to stick the tabs inside the 3D model you've built.



Step 5: Place your scaled city together and think about the proportions of the object in relation to one another!



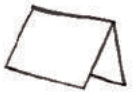
SCULPTUREINTHECITY

FAMILY ACTIVITY

TOOLKIT: ACTIVITY 8 PART 1

POSTBOX AND PEOPLE 1

KEY:



Fold

Cut

Glue

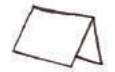
INSTRUCTIONS:

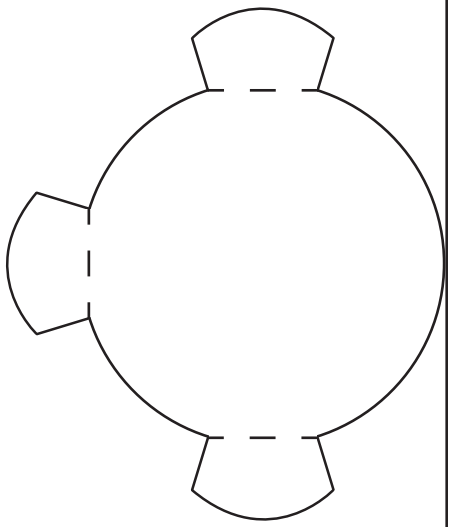
- Cut out the template
- Follow the instructions on the Activity Sheet

SCALE @ 1:10

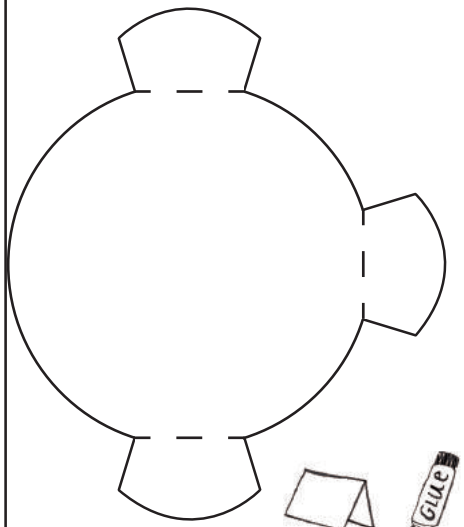
(10 times smaller than real life)

This postbox is 10 times bigger in real life!





SITC



SCULPTUREINTHE**CITY**

FAMILY ACTIVITY

TOOLKIT: ACTIVITY 8 PART 1

POSTBOX AND PEOPLE 2

KEY:

Fold

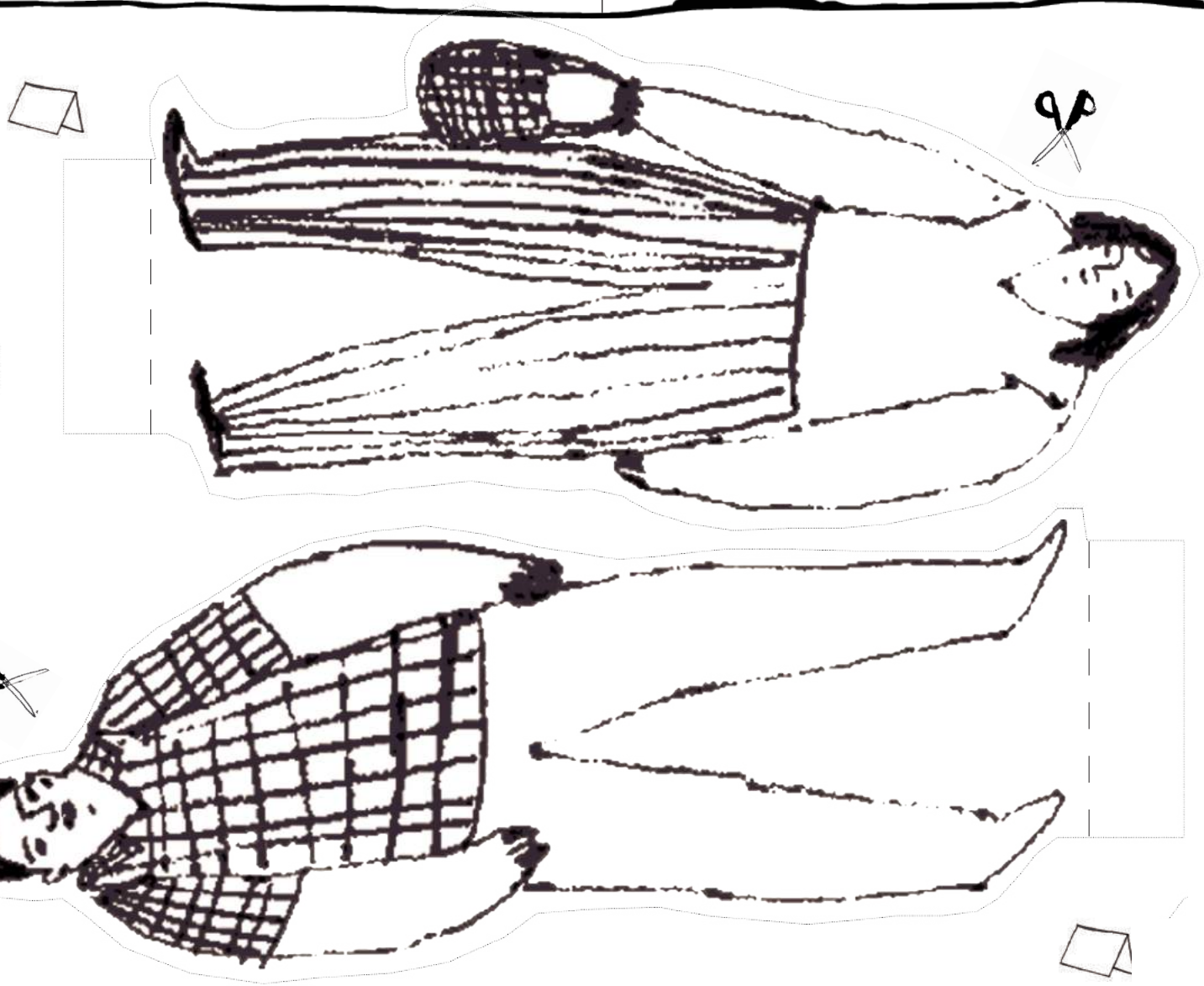
Cut

INSTRUCTIONS:

- Cut out the templates
- Follow the instructions on the Activity Sheet

SCALE @ 1:10

(10 times smaller
than real life)



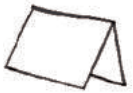
SCULPTUREINTHE**CITY**

FAMILY ACTIVITY

TOOLKIT: ACTIVITY 8 PART 1

BUS AND PEOPLE

KEY:



Fold

Cut

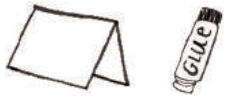
Glue

INSTRUCTIONS:

- Cut out the templates
- Follow the instructions on the Activity Sheet

SCALE @ 1:100

(100 times smaller than real life)



SCULPTUREIN THE**CITY** FAMILY ACTIVITY

ACTIVITY 8: BUILD YOUR OWN SCALED CITY PART 2

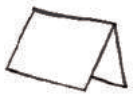
WHAT YOU NEED:

- Toolkit (for Activity 8 Part 2)
- Colouring pencils/felt tips/paint
- Scissors
- If possible; tin foil, craft (or scrap) paper

KEY:

Glue

Cut

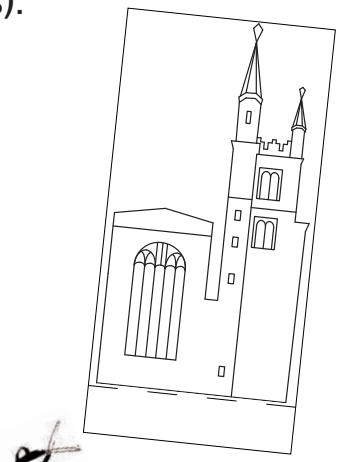


Fold

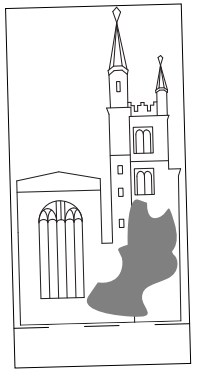
Draw

You could draw the texture of stone for the church, or follow instructions to create a 'rubbing' using a brick outside!

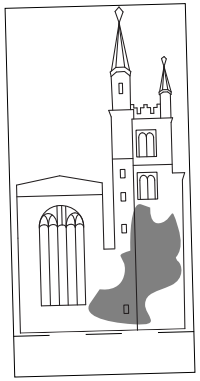
Step 1: Cut out the template(s) of the building(s).



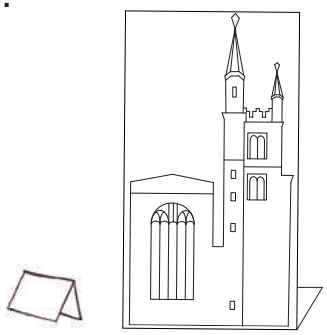
Step 2: Thinking about the building's material and texture, colour in, paint or collage over the building. You could even use tin foil to represent metal or reflective glass!



Step 3: Draw any extra building details (e.g. windows) over what you created in Step 2.



Step 4: Fold along the dotted lines and stand your scaled city up! Think about the scales of each building in proportion to the others and their real life size!



Making a 'rubbing' for stone texture:

1. Pick a dry area of a brick wall outside.
2. Place the church template paper onto the wall, with the drawing facing you.
3. While holding the paper in place, use the side of a crayon/pencil to rub across the brick until the building is filled in.

Note: Using a darker crayon/pencil gradient and rubbing firmly all over the brick will show the grainy textures better.

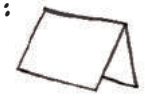
SCULPTUREINTHECITY

FAMILY ACTIVITY

TOOLKIT: ACTIVITY 8 PART 2

THE SCALPEL BUILDING

KEY:

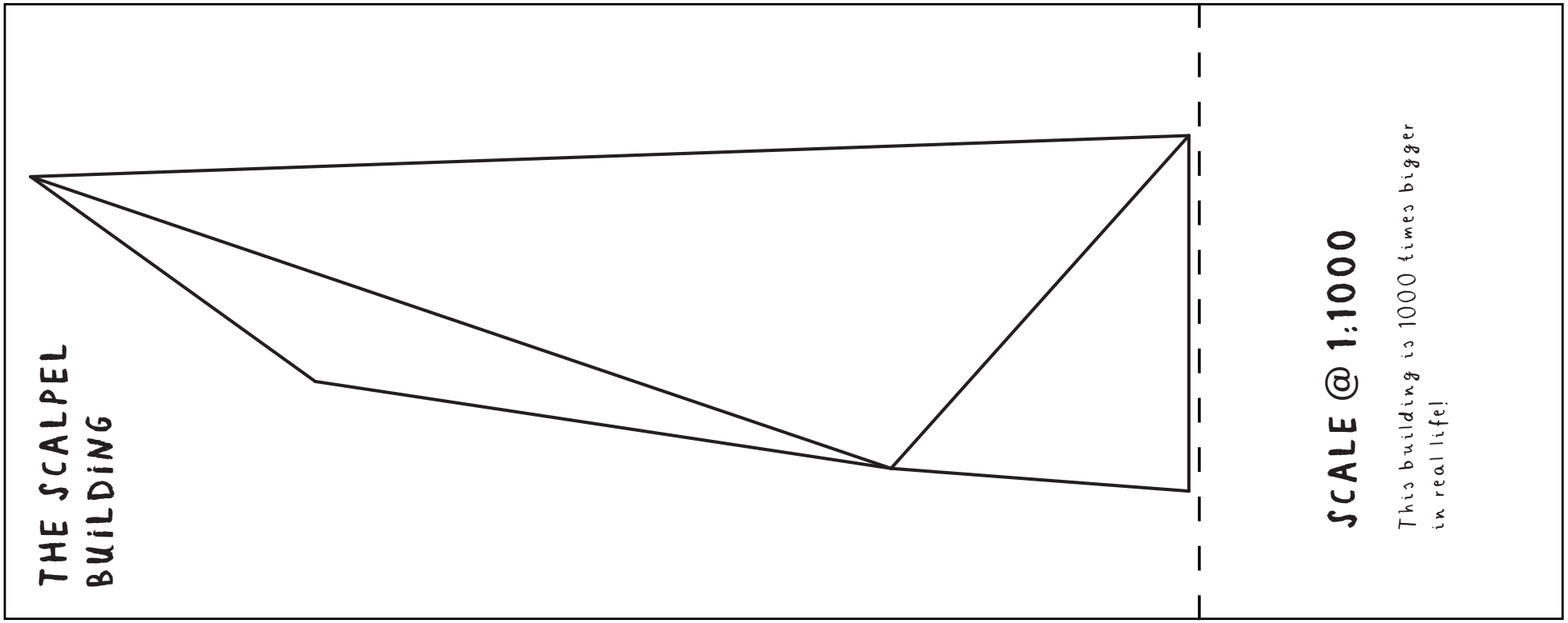


Fold

Cut

INSTRUCTIONS:

- Cut out the template
- Follow the instructions on the Activity Sheet



SCULPTUREINTHECITY

FAMILY ACTIVITY

TOOLKIT: ACTIVITY 8 PART 2

ST ANDREW UNDERSHAFT CHURCH

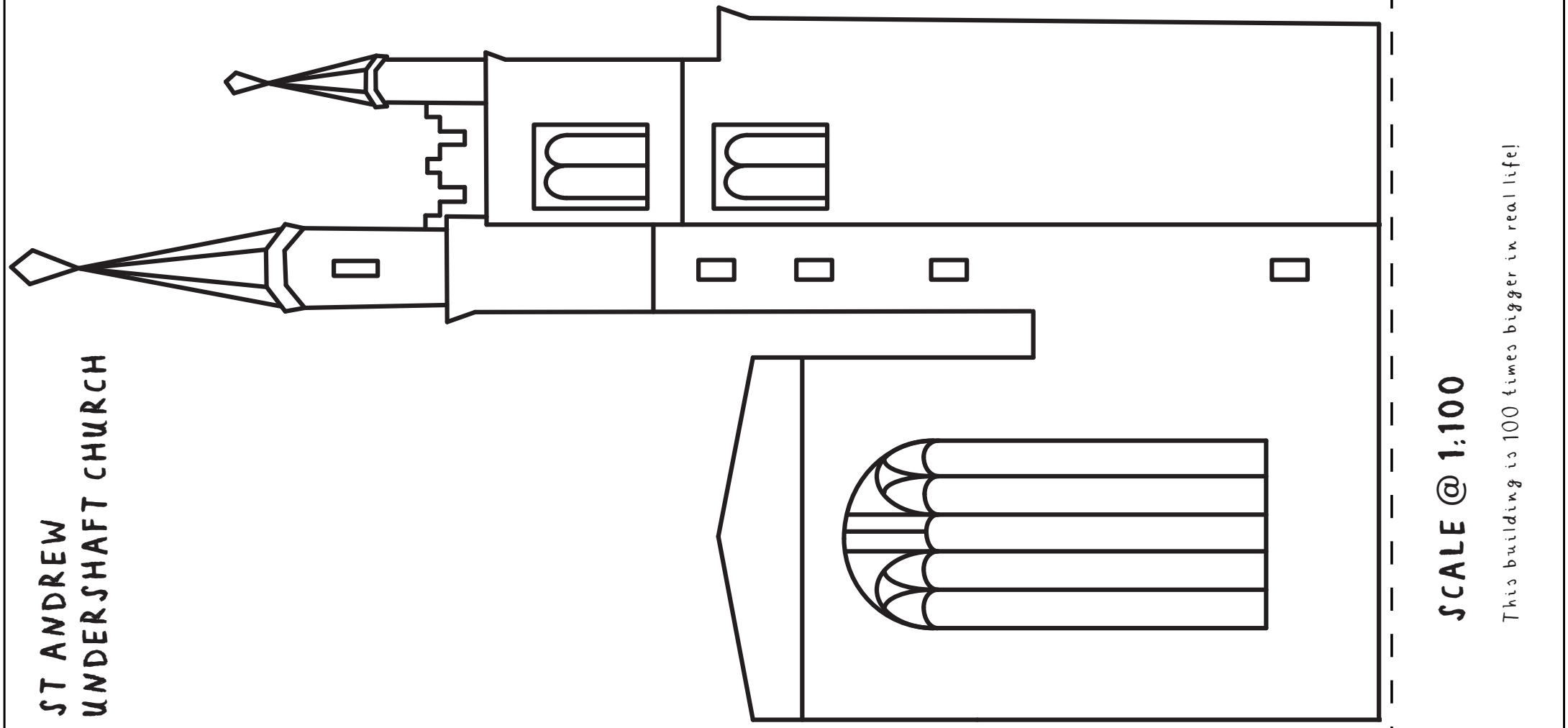
KEY:

Fold

Cut

INSTRUCTIONS:

- Cut out the template
- Follow the instructions on the Activity Sheet



ST ANDREW UNDERSHAFT CHURCH

SCALE @ 1:100

This building is 100 times bigger in real life!

SCULPTUREINTHECITY

FAMILY ACTIVITY

TOOLKIT: ACTIVITY 8 PART 2

THE LLOYD'S BUILDING

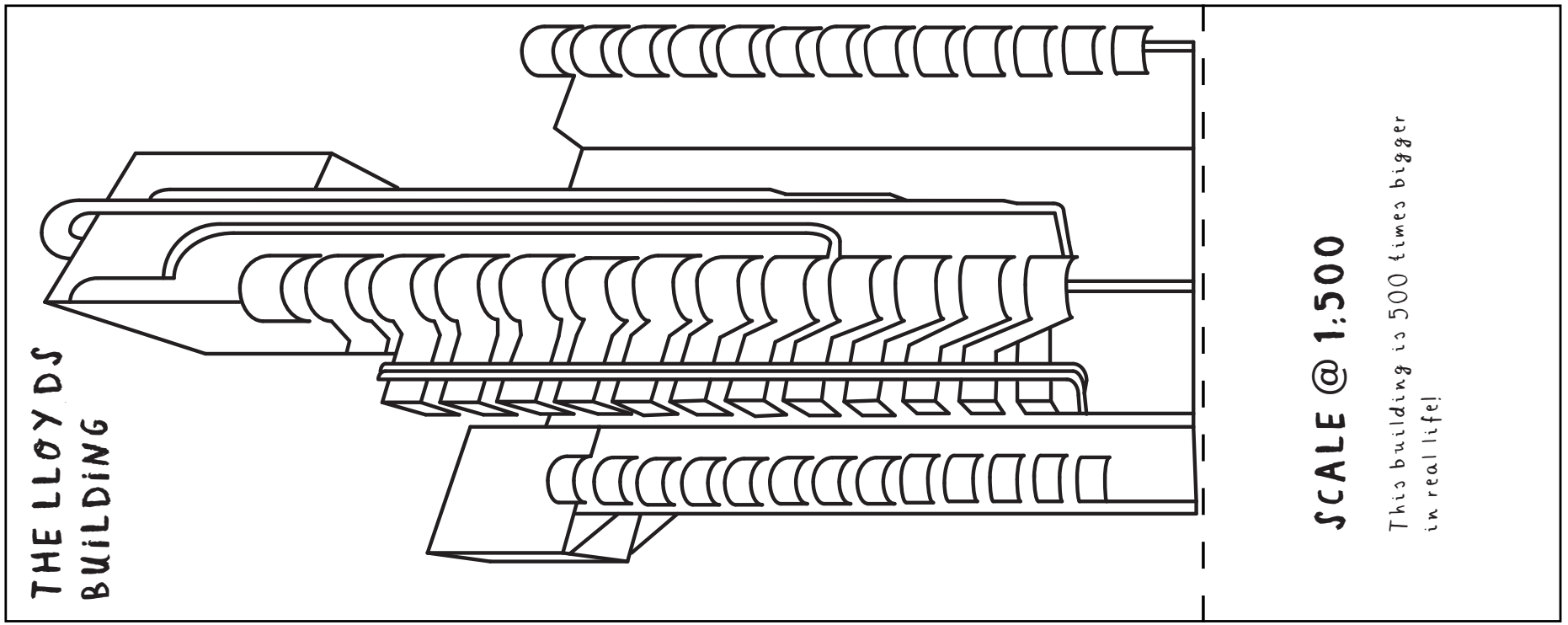
KEY:

Fold

Cut

INSTRUCTIONS:

- Cut out the template
- Follow the instructions on the Activity Sheet



SCULPTUREINTHECITY

FAMILY ACTIVITY

TOOLKIT: ACTIVITY 8 PART 2

BUILD YOUR OWN SCALED CITY PART 2

BUILDING PHOTOS

INSTRUCTIONS:

- Either have on screen or print off and use to help build your scaled city!

THE LLOYDS BUILDING

'THE SCALPEL'

ST ANDREW
UNDERSHAFT CHURCH

SCULPTUREIN THE **CITY**

FAMILY ACTIVITY

TOOLKIT: ACTIVITY 8 PART 2

BUILD YOUR OWN SCALED CITY PART 2

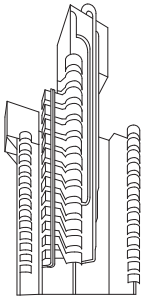
BUILDING PROPORTIONS

INSTRUCTIONS:

- Either have on screen or print off and use to help understand your scaled city and the proportions of buildings in real life!

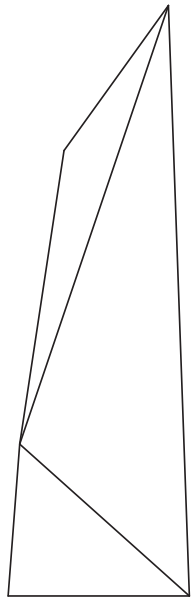
25 METRES

ST ANDREW UNDERSHAFT CHURCH



90 METRES

THE LLOYDS BUILDING



190 METRES

'THE SCALPEL'