

Experiences & Outcomes:

SCN 2-14b

SCN 2-20a

TCH 2-01a

LIT 2-20a

Developing the Young Workforce:

CES: *I can explain to others my ambitions/what I would like to do and look for ways to achieve them/that.*

Careers Adviser: Careers advisers help people to make realistic and well-informed career decisions and plans. They also help people to develop career management skills.

Producer - TV/Film: A producer is the manager responsible for the overall production of a television programme, a film or a theatrical show. This includes the budget, casting, location settings and special effects.

Resources:

Tablet/camera

#TowardsBetterFutures speech bubble

Jelly sweets

Cocktail sticks

Activity:

How will you work wonders?

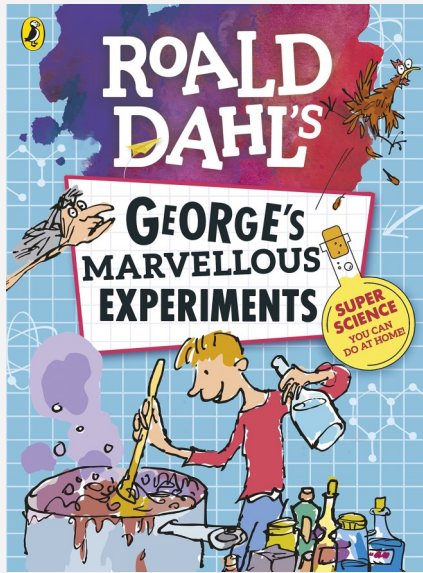
*Create a future job profile poster stating how you 'will work wonders' and the **meta-skills** you will need to do this job.*

Rosalind Franklin—Photograph 51

Create DNA strands from jelly sweets and cocktail sticks. Then use a tablet/camera to photograph the strands just like Rosalind Franklin did.

News Broadcast

Write and film a news broadcast delivering the news of a new discovery or achievement in the world of STEM. Props could be used to enhance the broadcast.



Experiences & Outcomes:

SCN 2-07a

SCN 2-08a

SCN 2-19a

Developing the Young Workforce:

CES: I can the relevance of skills to the wider world and make connections between skills and the world of work.

Airline Pilot: Airline pilots fly aircraft on long-haul and short-haul flights transporting passengers and/or cargo. They direct the crew and are responsible for the safety of everyone on board.

Food Scientist: Food scientists research and analyse the chemical, physical and nutritional aspects of food. Food technologists work on the processes of making, improving, preserving and storing food and drink products. These jobs overlap in many cases.

Resources:

Jelly worms (sweets)
2 glasses
Bicarbonate of soda
Water
White vinegar
String
Drinking straw
Sticky tape
Balloon

Activity:

Jolly Jet Balloon

Pick 2 walls at opposite ends of the room. Cut the string so that is a few cm longer than this. Feed the string through the drinking straw. Tape one end of the string to the wall at your start point and the other tightly to the end point. Inflate the balloon but don't tie the end. Holding the end of the balloon, use sticky tape to attach to the straw. Slide the balloon and straw back to the beginning. Let go to see what happens.

Worryingly Wiggle Worms

Cut your jelly worms up length ways to make jelly spaghetti and put in a glass along with 3 tablespoons of bicarbonate of sofa. Add enough water so the soda crystals start to dissolve but not completely. Leave the worms in the solution for 30 mins. Pour the vinegar into the other glass. Take a soaked worm and drop it into the vinegar. What do you think will happen?



Experiences & Outcomes:

SCN 2-20a

TCH 2-11a

MTH 2-16b

LIT 2-26a

Developing the Young Workforce:

CES: I can recognise the skills I have and need for work.

Product Designer: Product designers design most things we use in our every day life, from chairs and other household items, to mobile phones, computers and other gadgets. They either improve existing models, or design new products.

Architect: Architects design new buildings and adapt or restore existing buildings. They are actively involved in every stage of a building project, from original idea to completion.

Resources:

Coloured pencils

Net shapes

Glue/sticky tape

Thing Explainer matching cards

Activity:

Blueprint

Create a blueprint for an every day object. Annotate the image so that the reader understands the use or function of the object. Decide on a Thing Explainer style name for your blueprint.

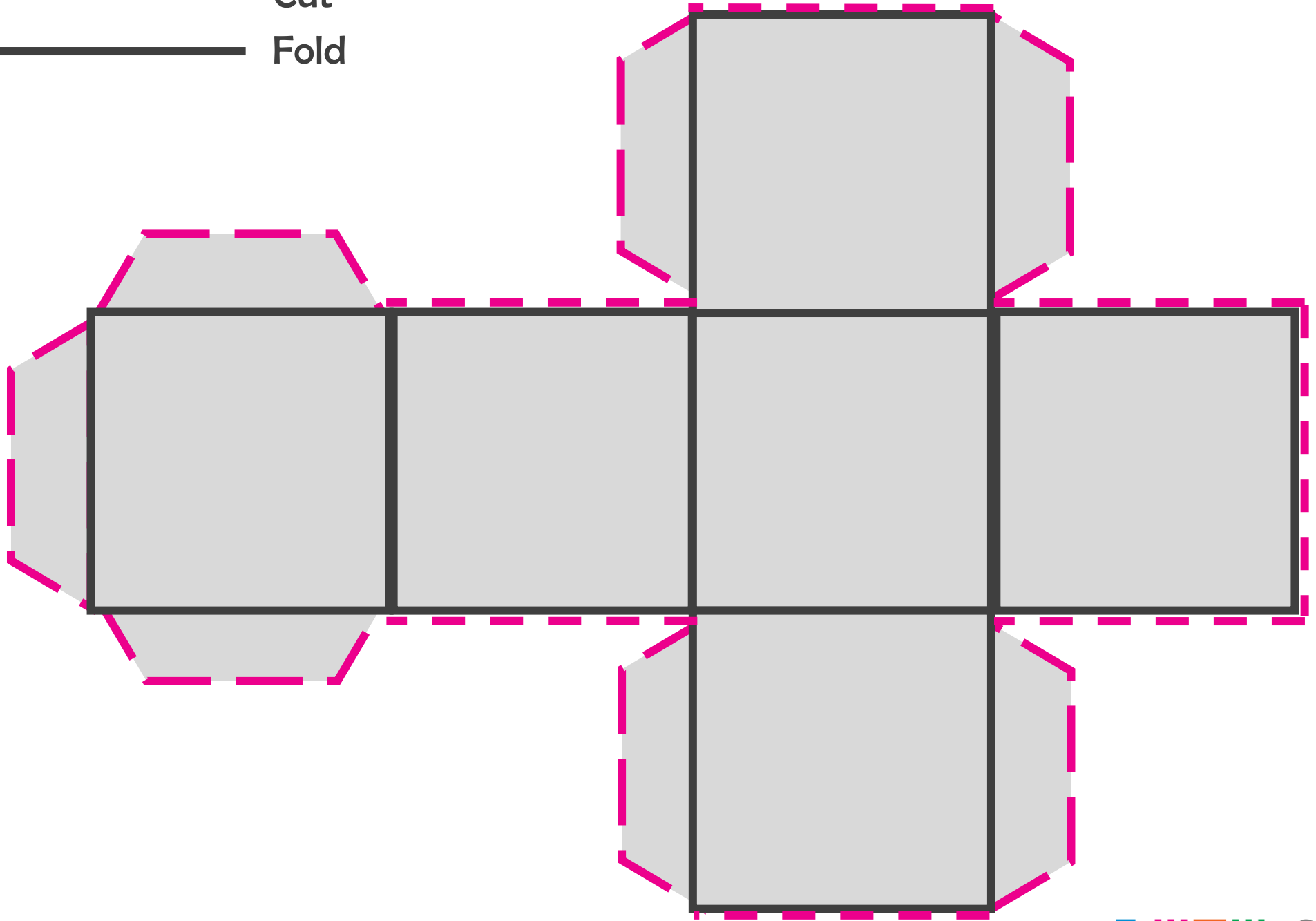
What is it?

Sort the matching cards into the 'name we use' and the Thing Explainer names. Then match the 'name we use cards' to the Thing Explainer cards. Can you come up with a better Thing Explainer name?

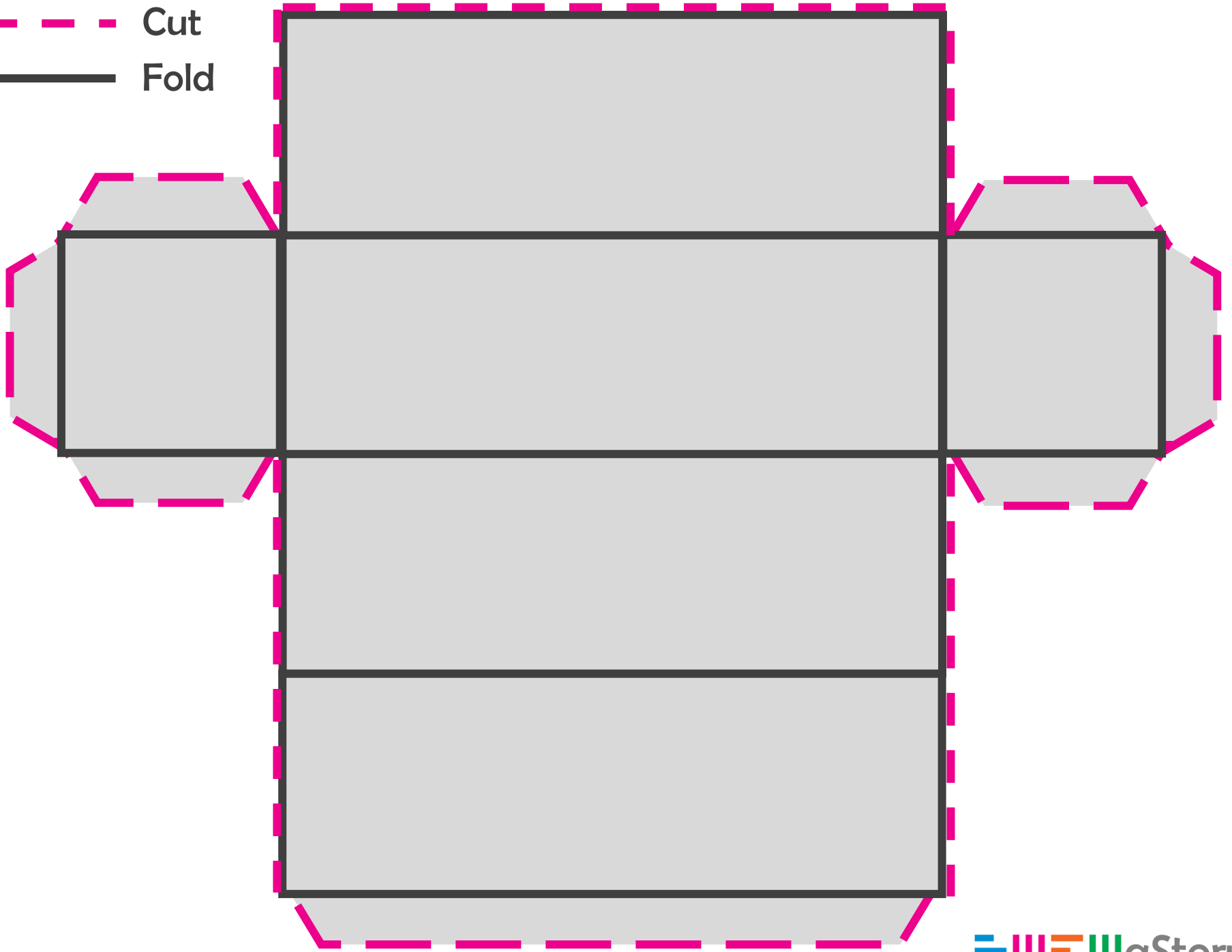
How to Look After a Dog

Predict what 3D shape the net is going to form before cutting and sticking. Cut out the net and follow the instructions for folding and sticking. Were you right? Decorate the 3D shapes so that they look like every day objects.

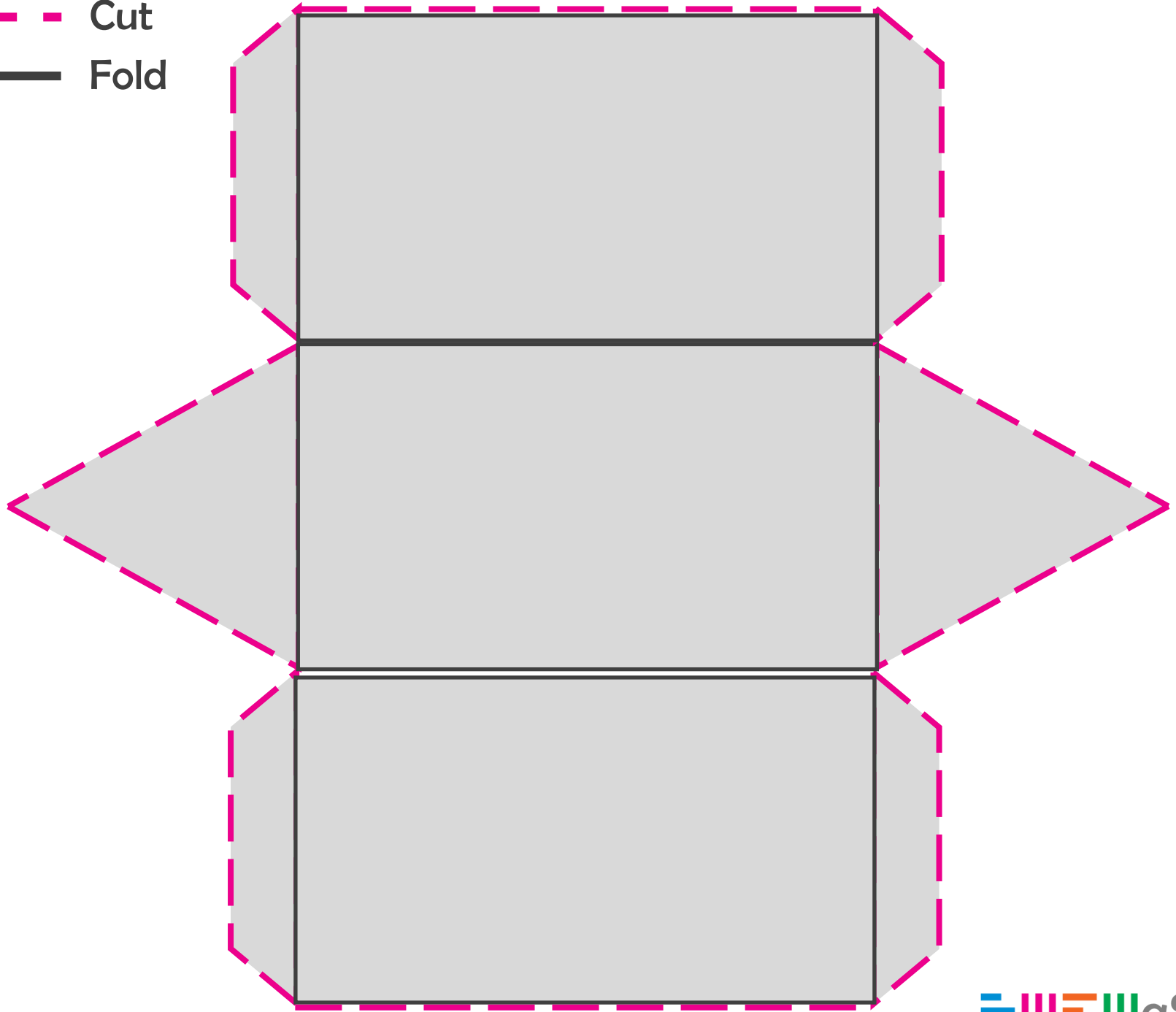
--- Cut
— Fold



--- Cut
— Fold

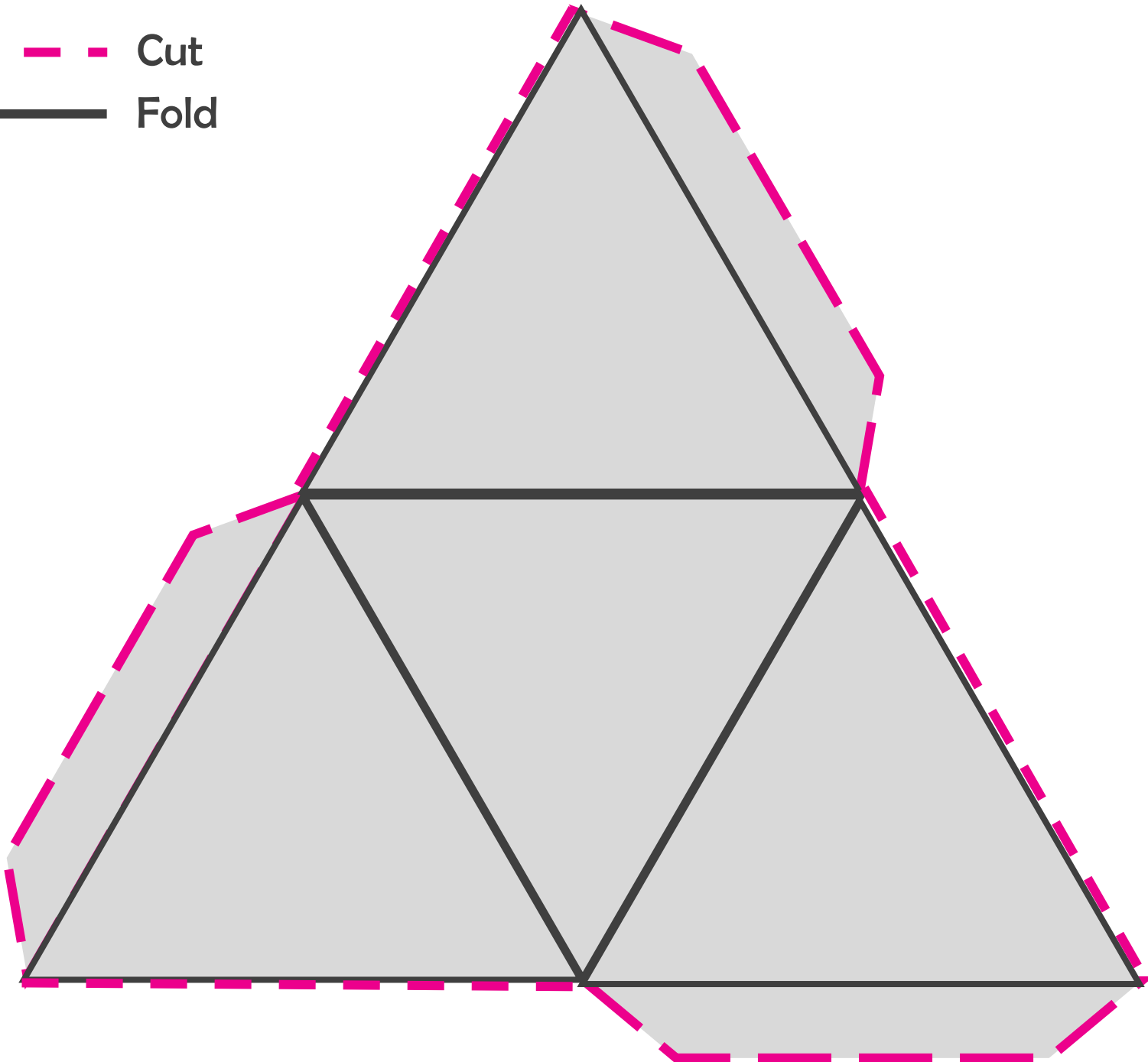


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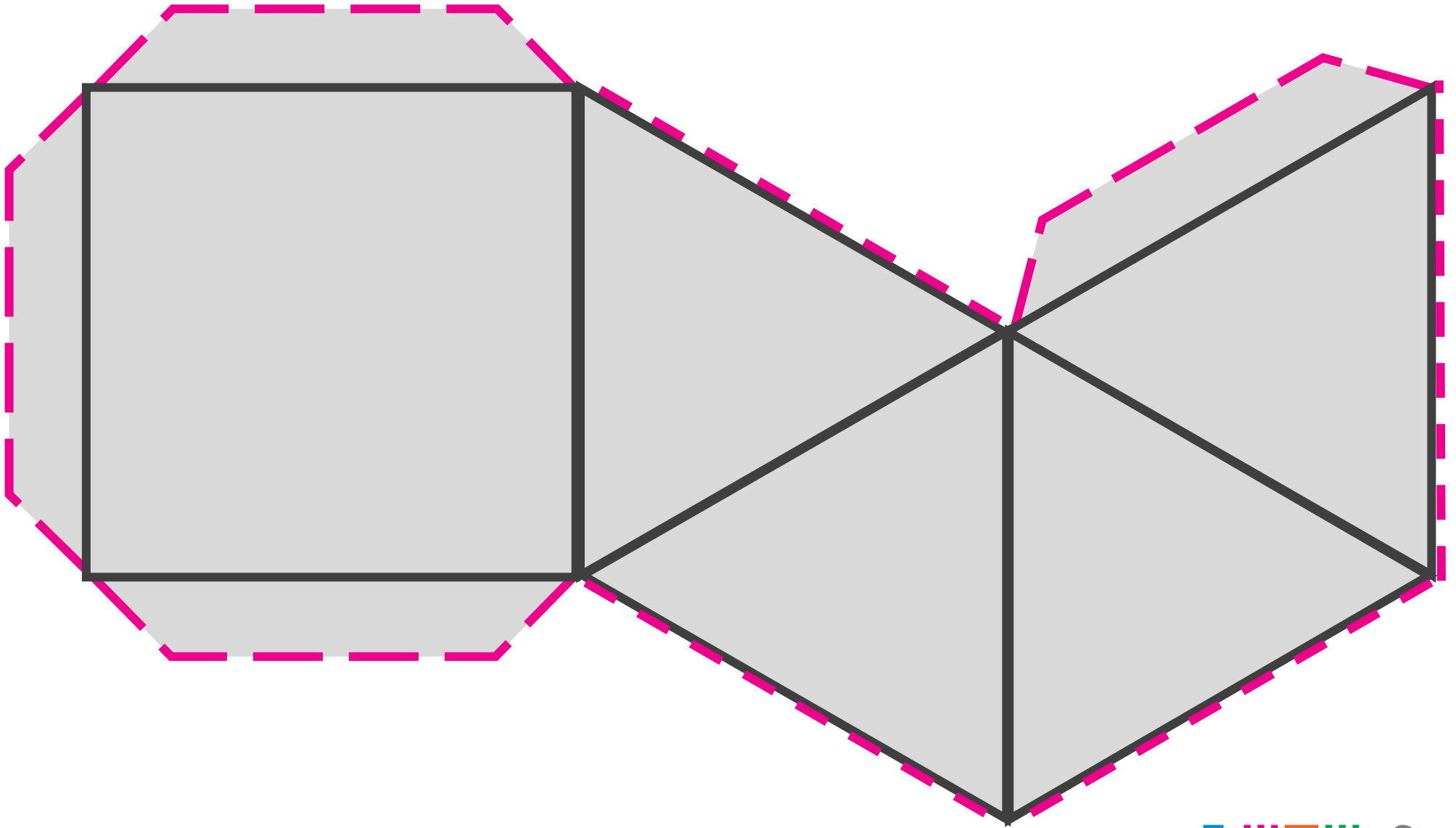


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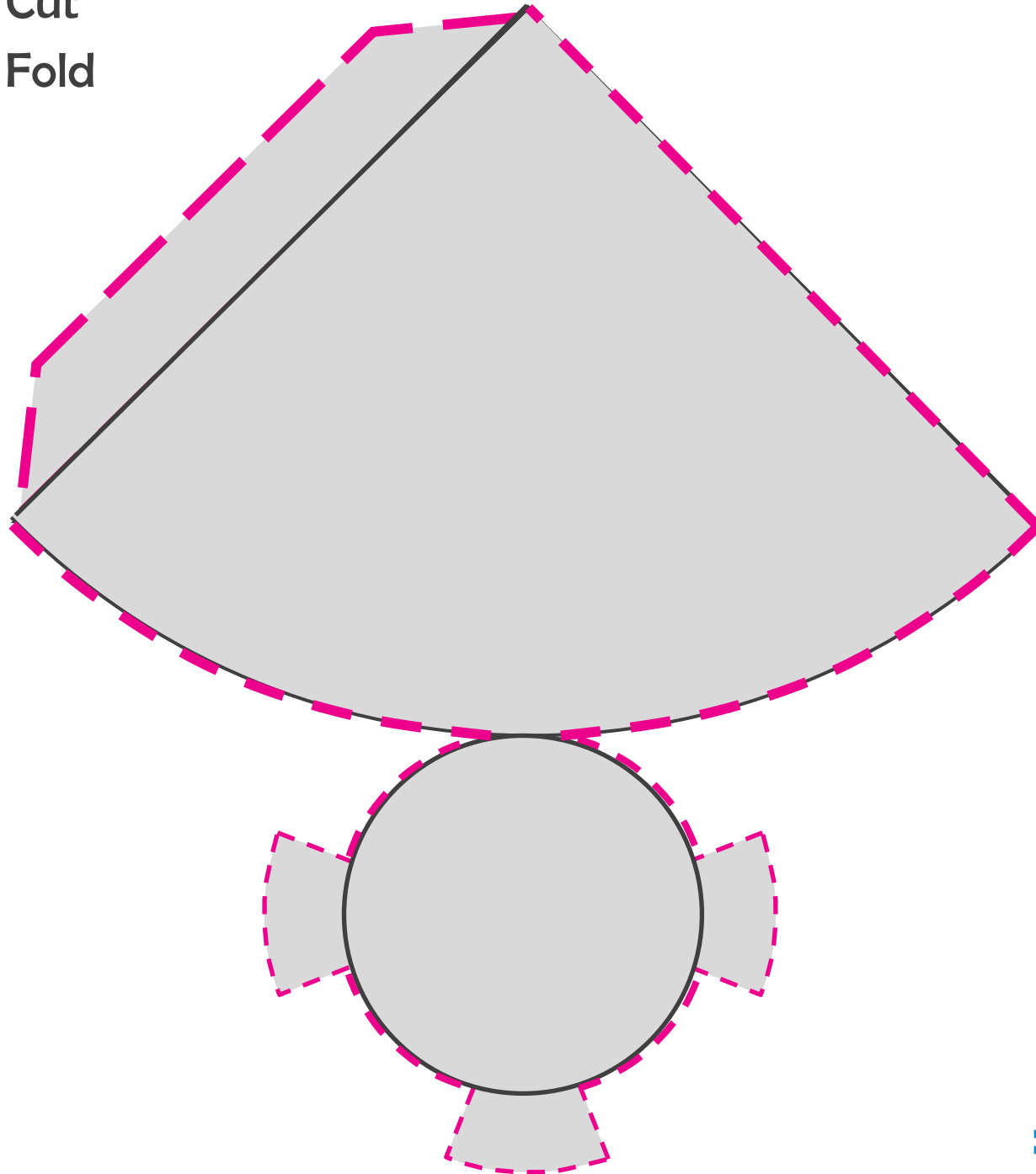


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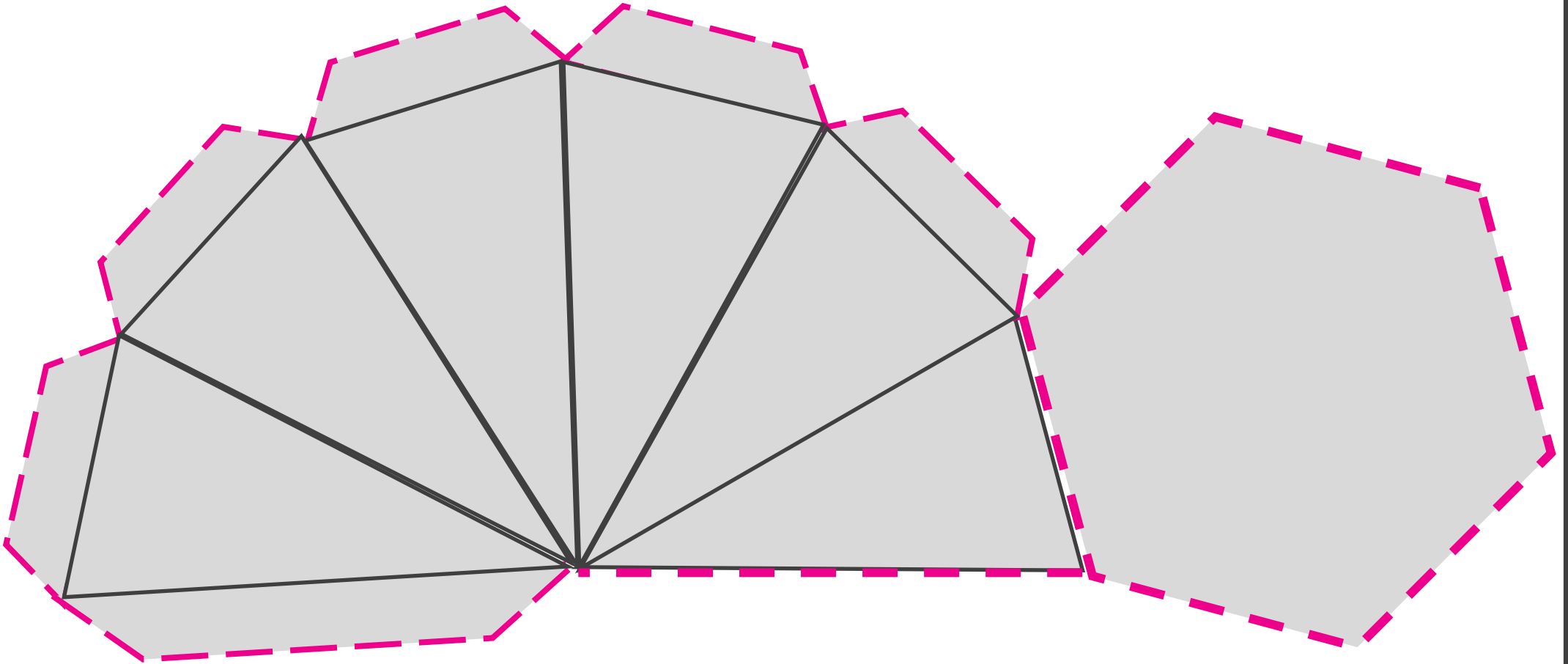


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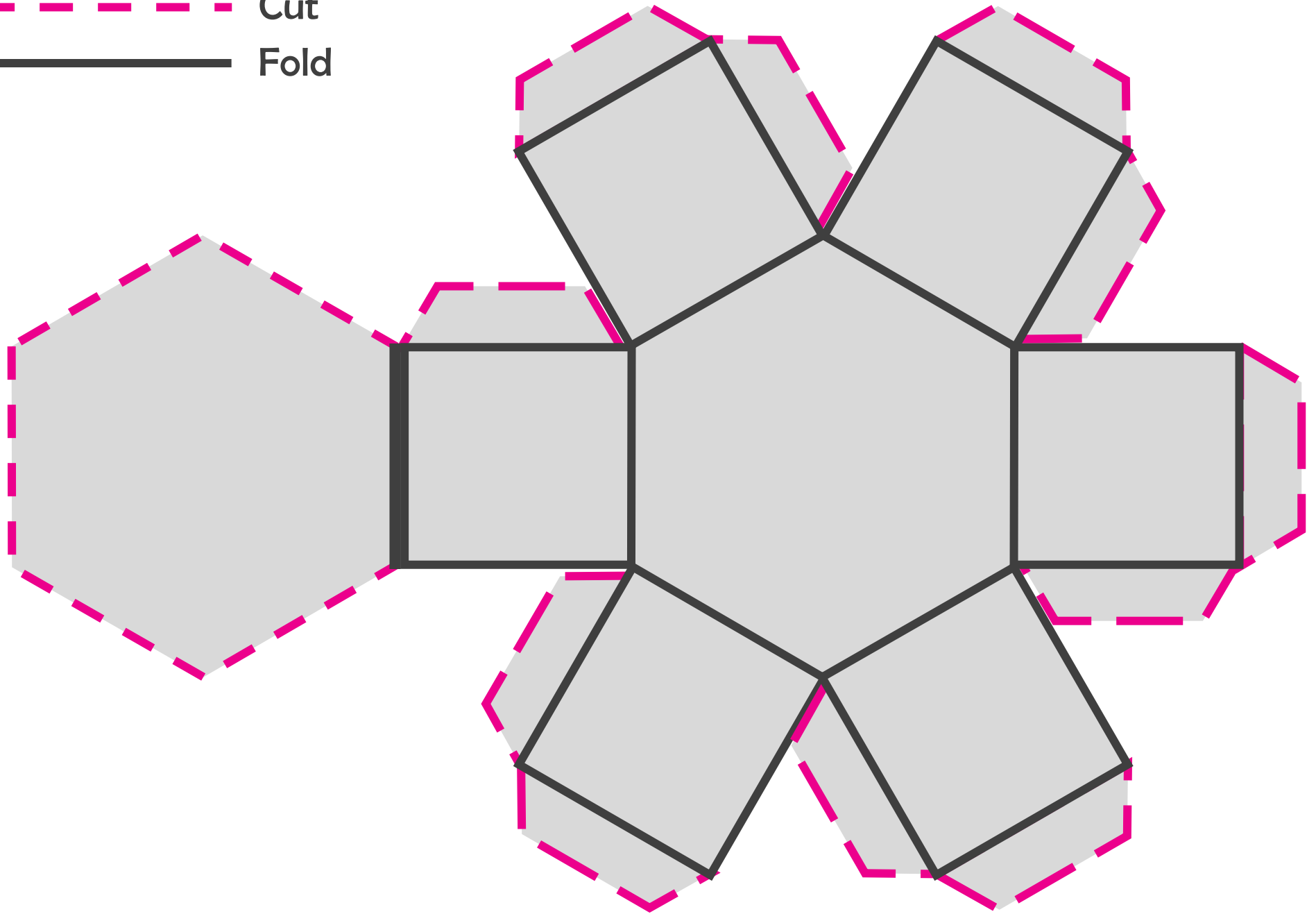
— Fold



--- Cut
— Fold



--- Cut
— Fold



Shared space house



Tiny bags of water
you're made of



Heavy metal power
building



Red world space car



Bags of stuff inside
you



Boxes that make
clothes smell better



Earth's surface



Under a car's front
cover



Sky boat with
turning wings



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International Space
Station



Animal cell



Nuclear reactor



Curiosity Rover



Human torso



Washing machine
and dryer



Physical map of the
Earth



Car engine



Helicopter



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Food-heating radio
box



Shape checker



Lifting room



Boat that goes
under the sea



Box that cleans food
holders



Big flat rocks we live
on



Cloud maps



Sky boat pusher



Power boxes



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Microwave



Padlock



Elevator



Submarine



Dishwasher



Tectonic Plates



Weather maps



Jet engine



Batteries



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Tall roads



Picture taker



Writing sticks



Hand computer



Our star



Sky toucher



How to count things



The pieces
everything is made
of



Bending computer



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