



The *Twelve Zodiac Infinite Cube* is the first-prize winner of the Old Summer Palace Cultural and Creative Design Competition. The author is a high-school student from Beijing No.101 Middle School. Using the method of "group theory" in mathematics, she ingeniously incorporated the decorative patterns of the Twelve Chinese Zodiac Animal Heads from the Old Summer Palace into the Infinite Cube. This not only enhances the fun of the cube but also creates a new way to promote traditional culture.

This Infinite Cube has the following features:

Rich gameplay: The different combinations of the Twelve Chinese Zodiac Animal Head patterns on each face of the cube form various difficulty levels, bringing a more challenging gaming experience.

Edutainment: This cube is not only easy to carry and spread but also an educational and entertaining puzzle toy.

Special design: In order to arouse people's attention to the lost cultural relics and artworks, the patterns of the five animal heads that have not yet been returned are specially marked on the cube.

A Variety of Gameplay Awaits You:

- Sharp Eyes and Quick Hands:** Find all the different animal head patterns on the cube, exercising your hand-eye coordination and patience. Try using only one hand for an added challenge!
- Memory Master:** Rotate the cube to find six different "Eight Animal Heads Combination Sides," each containing eight animal head patterns facing the same direction. This is a double test of your memory and hand-eye coordination!

Surface 1

rat	ox	tiger	rabbit
dragon	snake	horse	goat

Side 2

tiger	rabbit	dragon	snake
horse	goat	monkey	rooster

Surface 3

dragon	snake	horse	goat
monkey	rooster	dog	pig

Surface 4

horse	goat	monkey	rooster
dog	pig	rat	ox

Surface 5

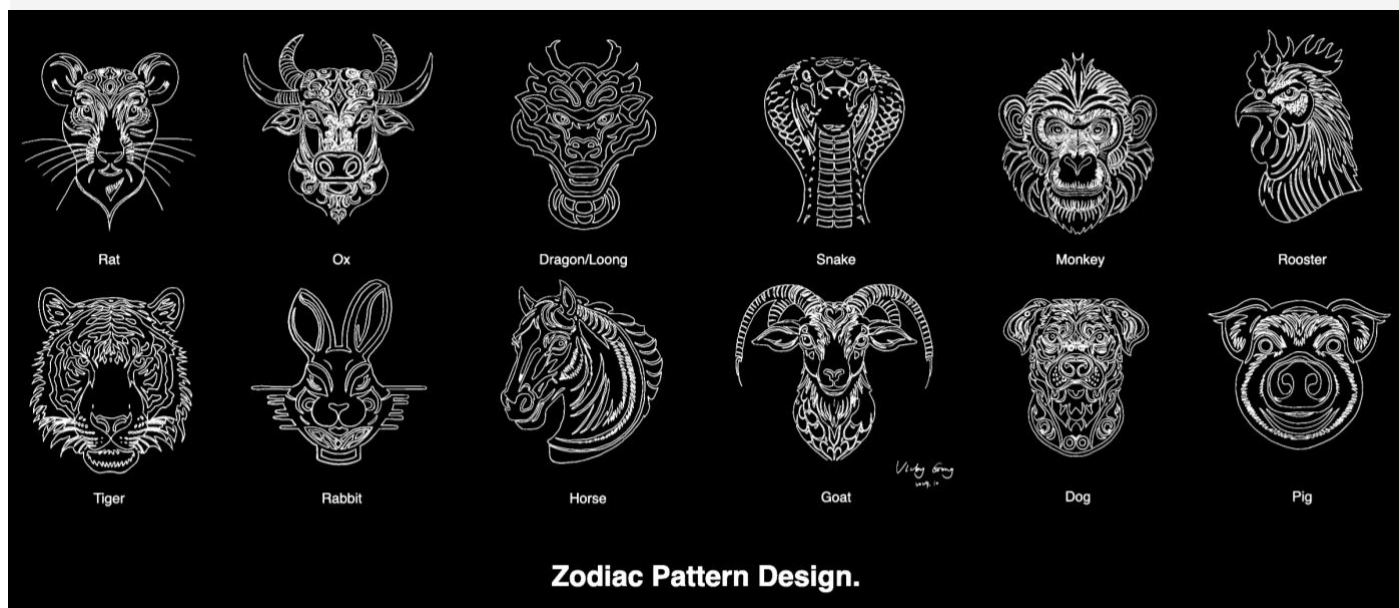
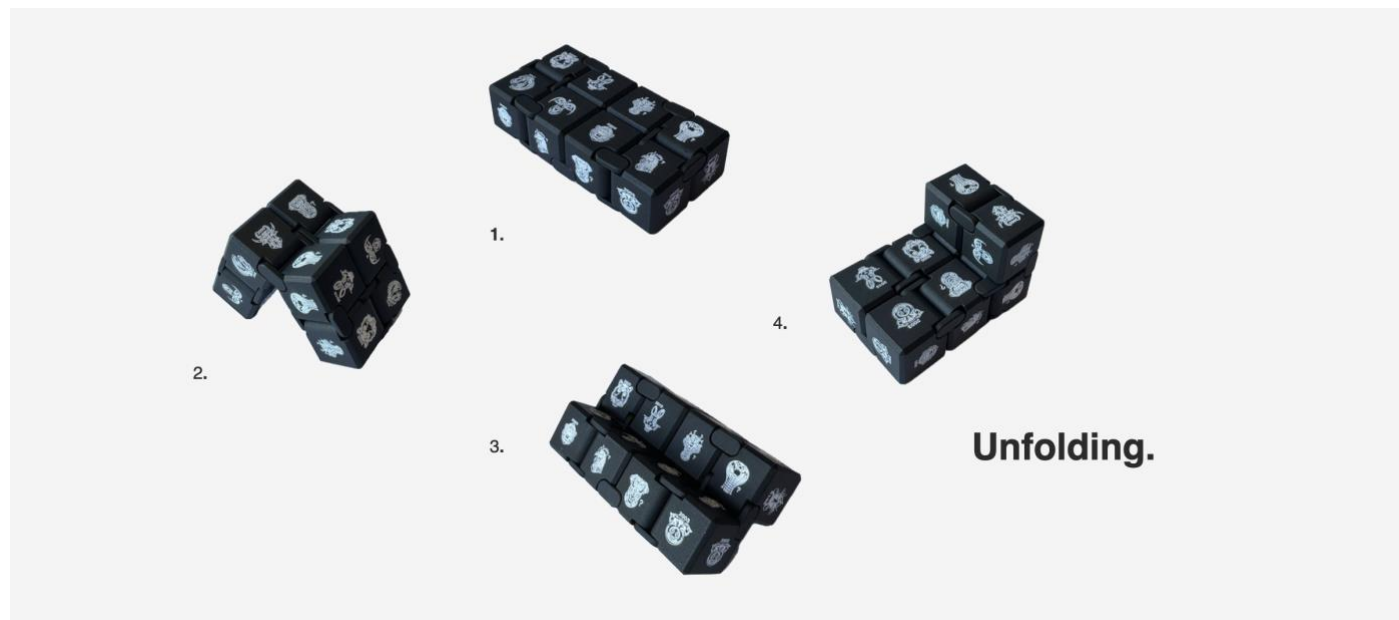
monkey	rooster	dog	pig
rat	ox	tiger	rabbit

Surface 6

dog	pig	rat	ox
tiger	rabbit	dragon	snake

3. **Spatial Imagination:** After rotating the cube, quickly identify the four different positions (including visible and hidden positions) of a particular animal head pattern in its current state, enhancing your spatial imagination.
4. **Blindfolded Challenge:** Close your eyes and try to maneuver the cube to a designated position using only your sense of touch, unlocking your brain's potential!

Kindly Reminder: This product contains small parts. Children under 12 years old should use it under adult supervision.



Sketches.

