

Make a kid-sized cube-shaped planetarium to look inside (adults) or sit inside (kids)

Instructions

- 1) Find five large square pieces of cardboard, black foam board, or plastic sign board
- 2) Align on floor in shape of this star map
- 3) Draw the Celestial Equator straight across middle of bottom 4 squares
- 4) Draw Ecliptic (path of Sun and planets) falling then rising across bottom 4 squares
- 5) Using the lines and references, draw the 12 Zodiac constellations along Ecliptic
- 6) Then draw remaining 16 major constellations shown
- 7) Label some or all constellations and bright stars if like
- 8) Poke out the stars into holes using a pencil, pen, or other object
- 9) Tape together with black duct tape all five pieces as shown
- 10) Fold inwards into a cube with constellations on inside and North Star at top
- 11) Tape along outside edges and any untaped inside edges
- 12) Poke again through any holes covered by tape
- 13) To look inside, position so sun or bright light is shining through top or a side
- 14) Or ideally sit inside - regular room light is sufficient to make stars appear very bright inside the dark "cubetarium"
- 15) Lift up cubetarium slightly to let light in to see the shapes and names of constellations

<https://Globetarium.com/cubetarium.pdf>

