

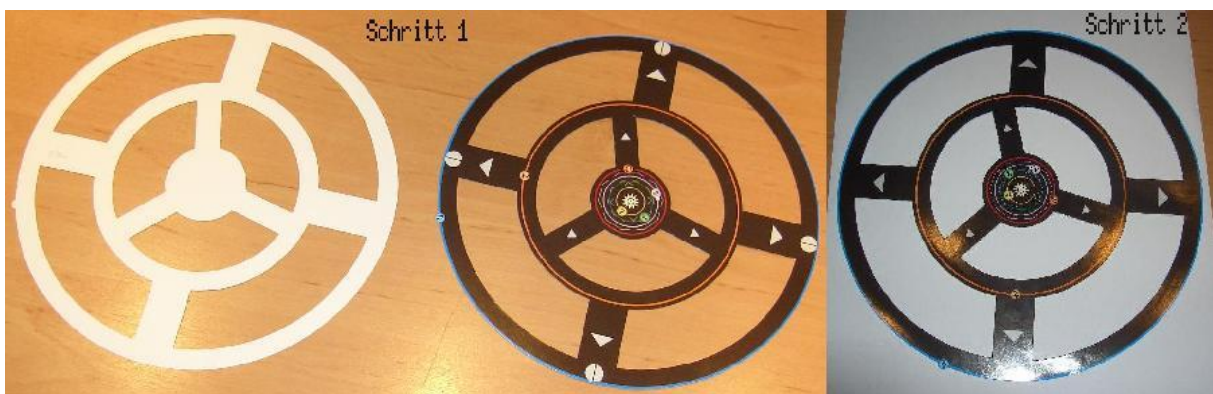
Illustrated Construction Manual: Kepler's Cosmographic Mystery

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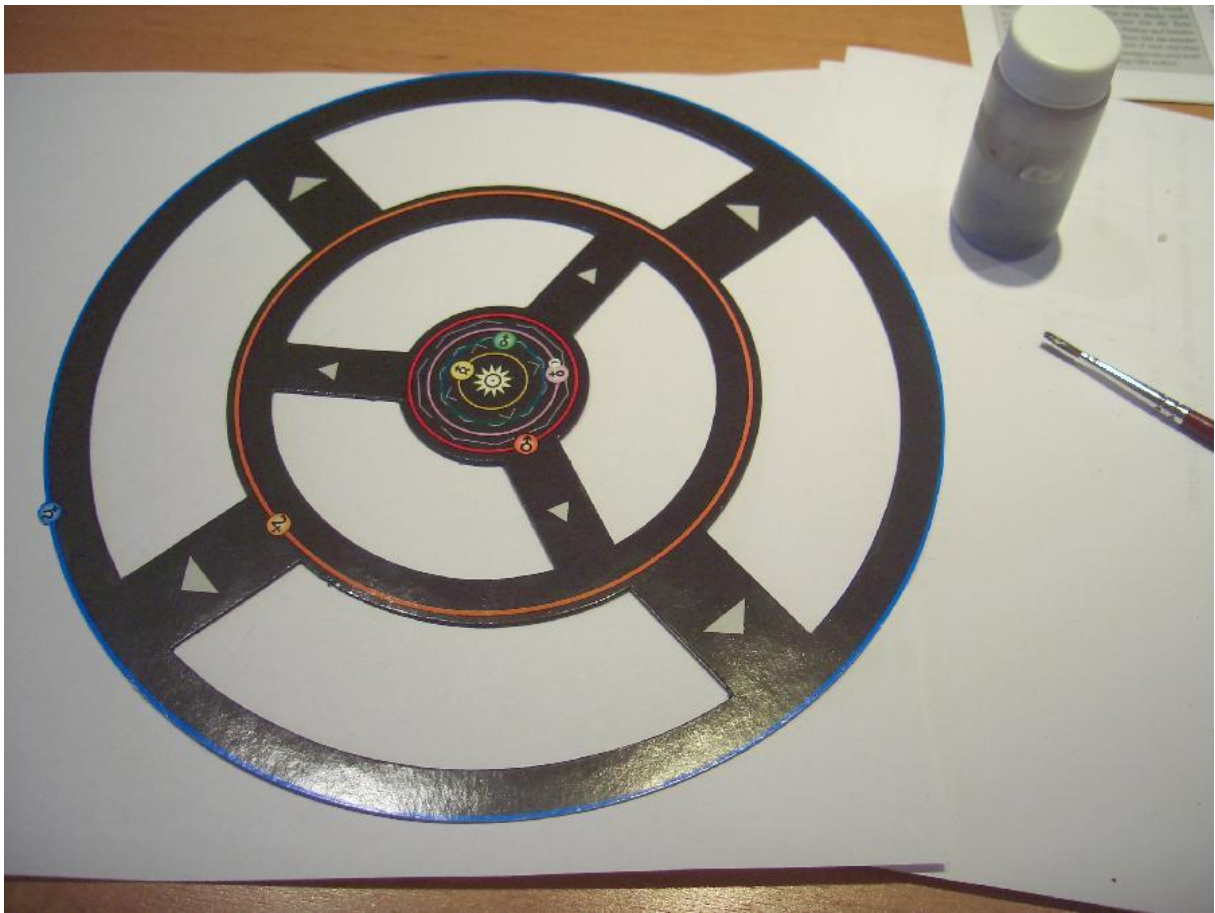
<https://michelswunderland.de/solderiron/mysterium.html>



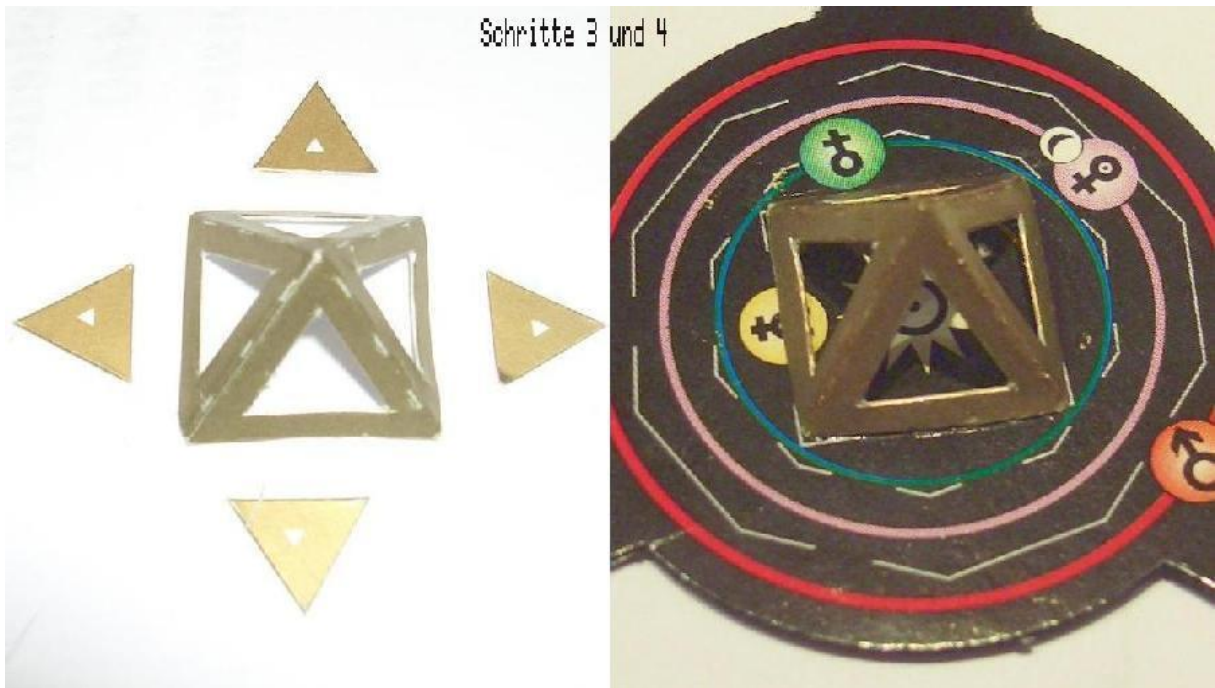
The kit contains a manageable number of parts. In addition to the adhesives and tools shown, some black, blue and gold paint has been used.



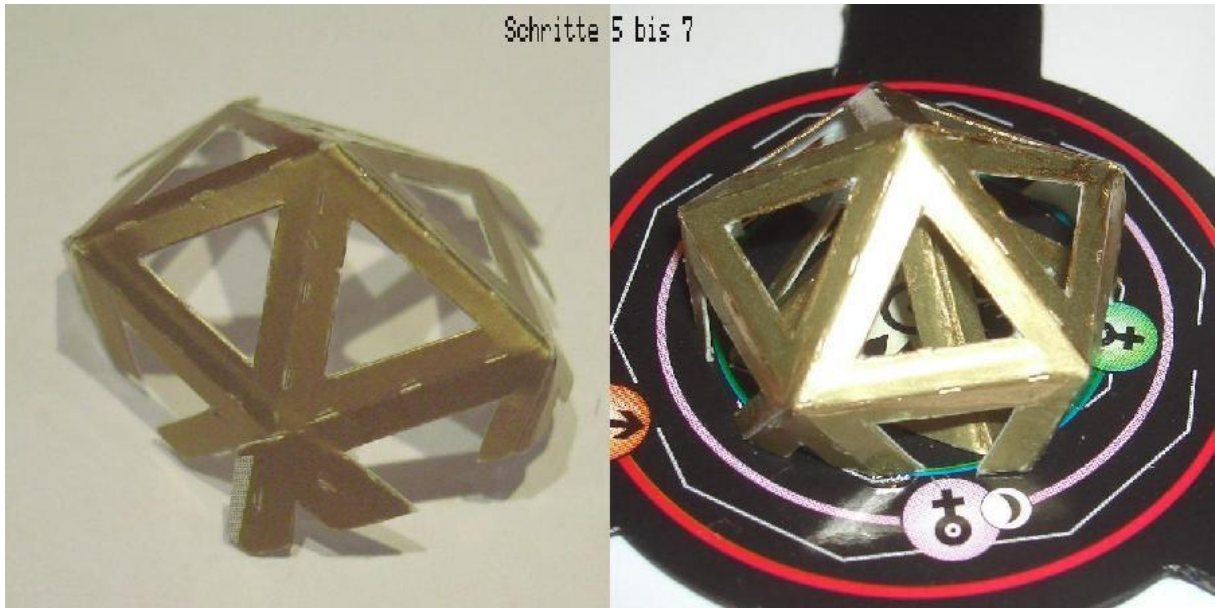
Steps 1 & 2: Den Anfang bildet die Scheibe mit den Planetenbahnen.



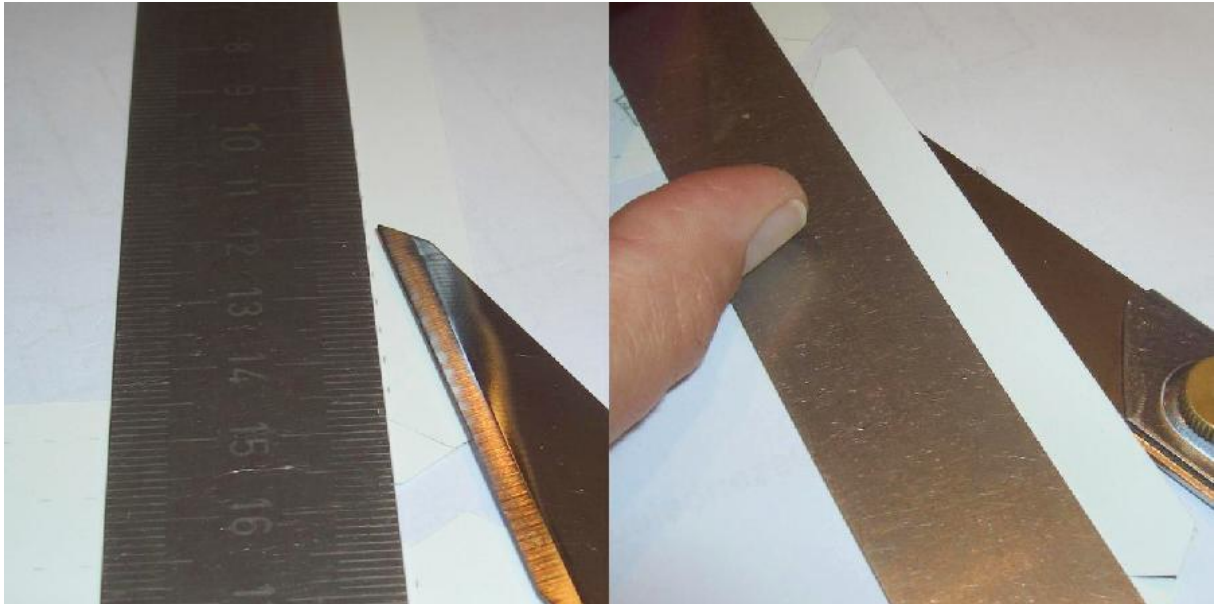
The open edges were painted with black and blue paint.



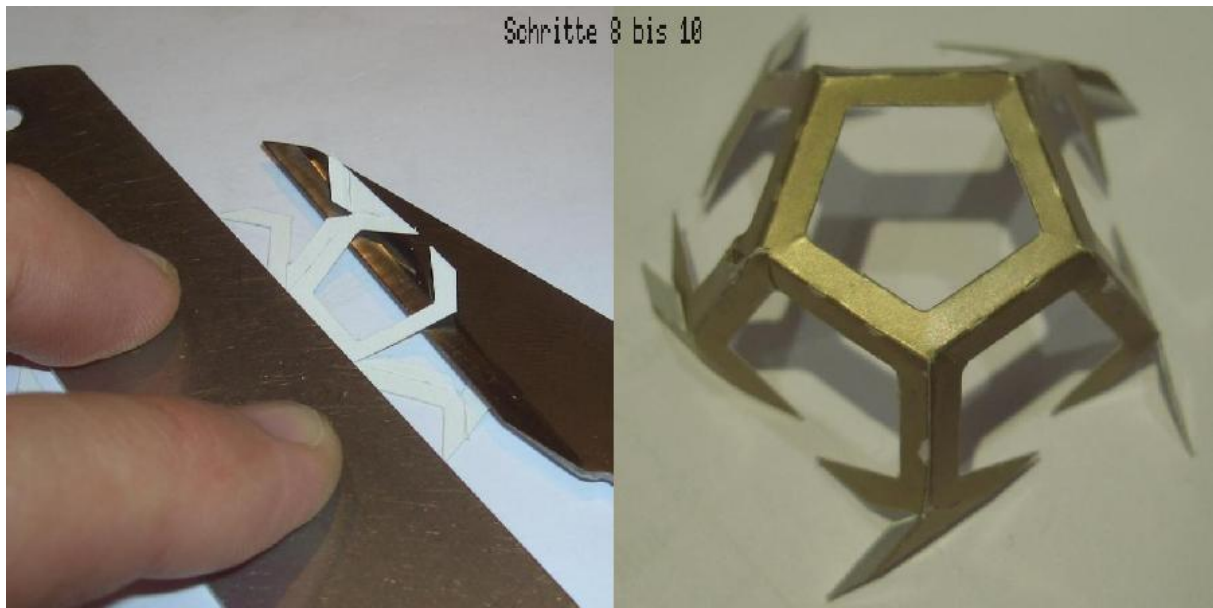
Steps 3 & 4: Upper part of the octahedron.



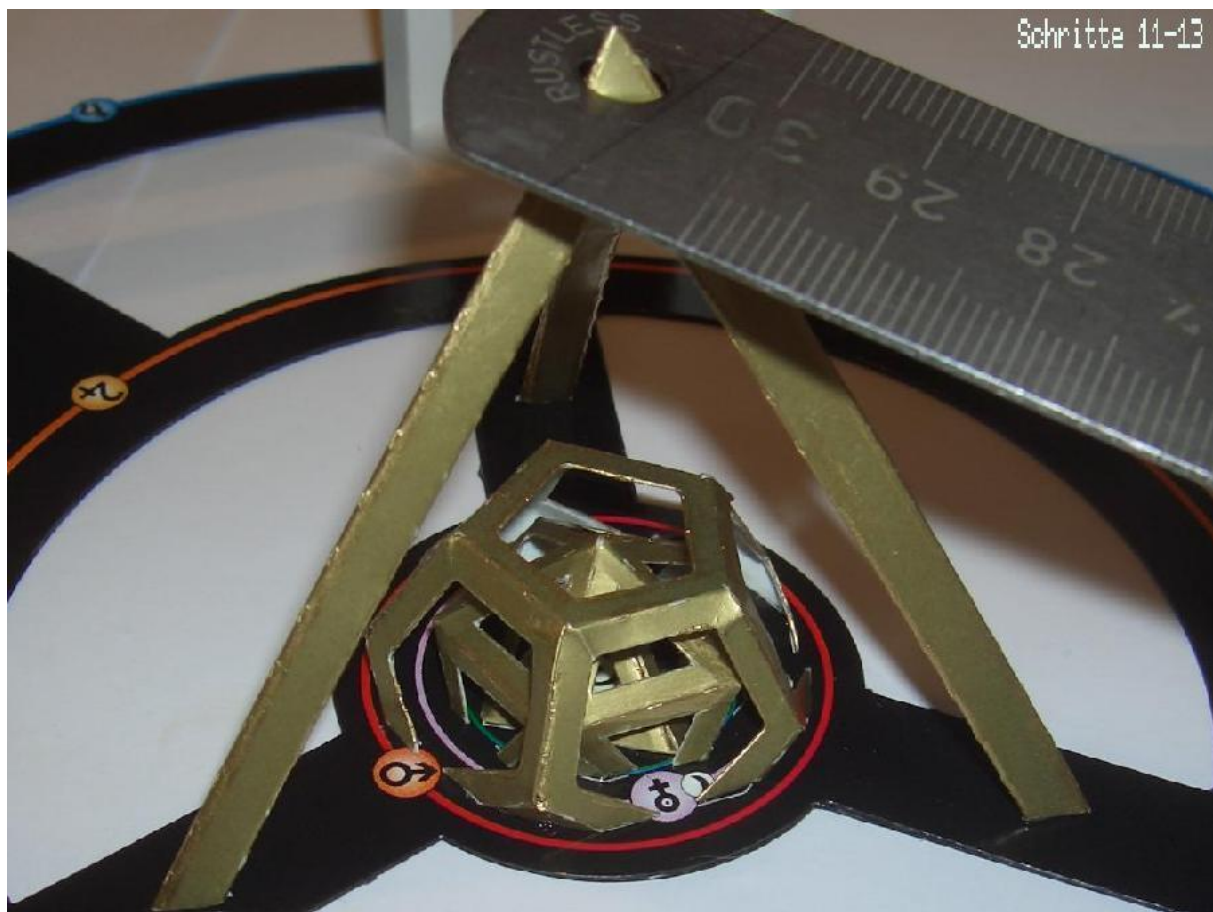
Steps 5 – 7: Top of the icosahedron.



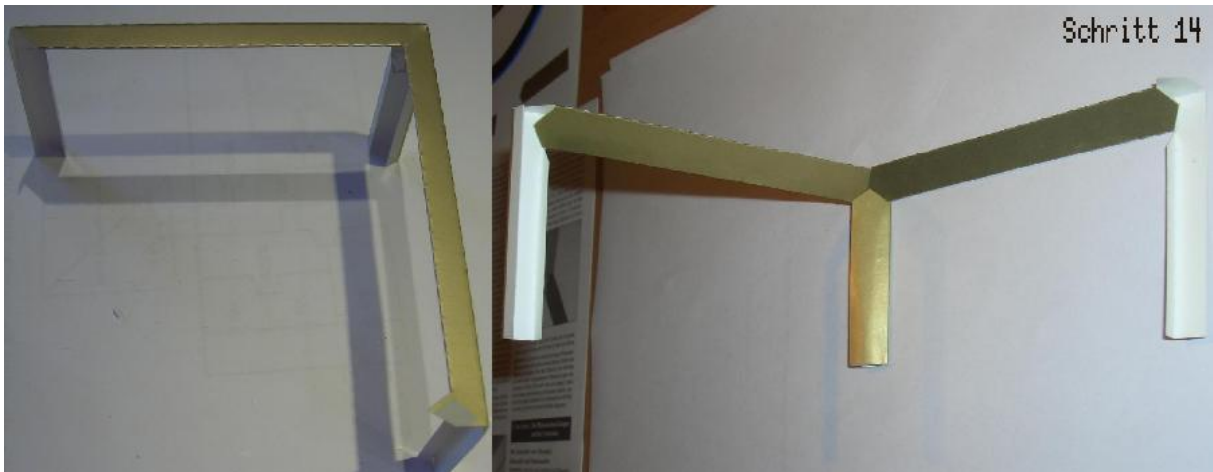
Due to the partly filigree webs of the small parts, it is advisable to also carefully score the fold edges with a sharp blade along the perforation on the back side before folding. This is best done with a steel ruler, which can also be used for folding, in order to obtain a straight fold (see the next picture on the left).



Steps 8 – 10: Top of the dodecahedron.



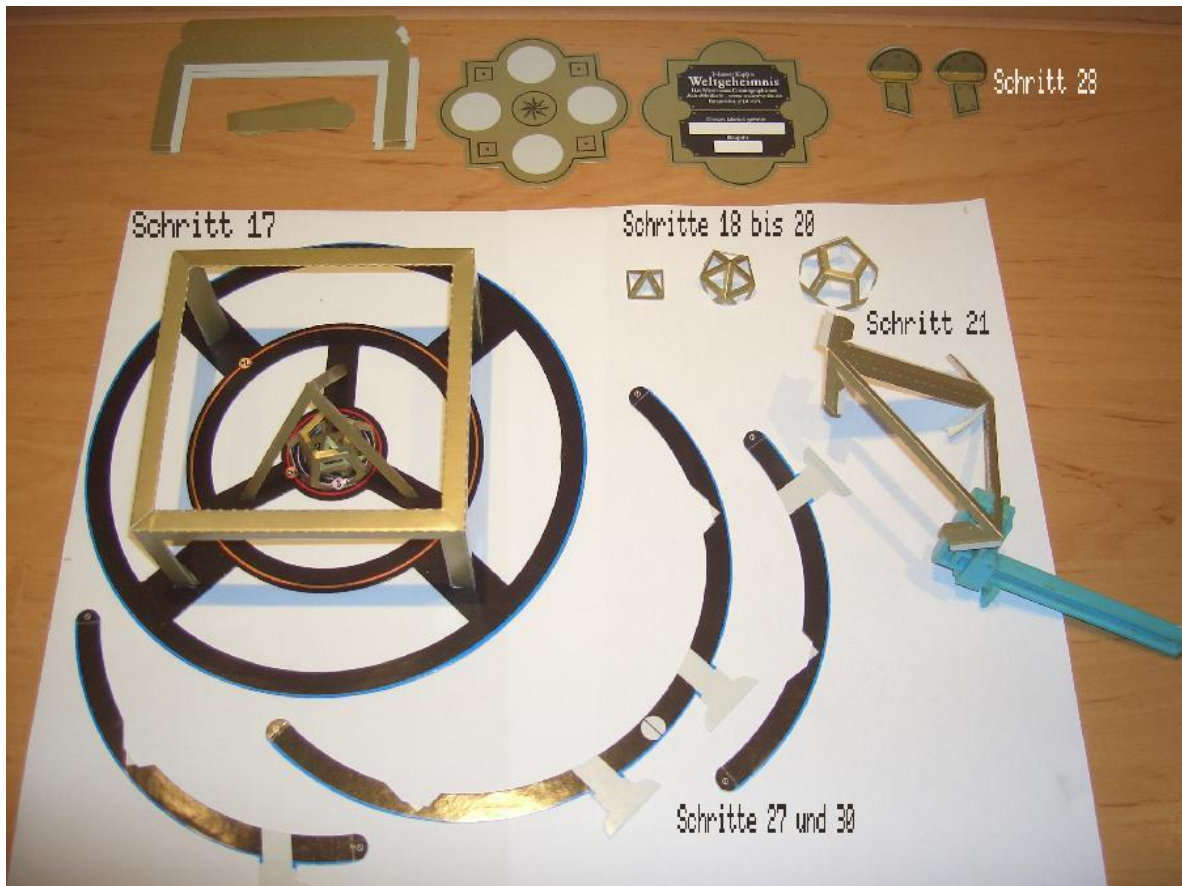
Steps 11 – 13: Top part of the tetrahedron. A light weighting serves to improve the bonding with the disc. The Platonic bodies underneath the tetrahedron allow a view of the sun symbol due to their openings. The open edges of the openings were painted with golden colour.



Step 14: The upper part of the cube - Here the construction deviated slightly from the instructions: Instead of linking the parts and forming a kind of square ring, the long edges were first folded and glued (as shown below in the picture for step 22). Then, two of these parts were glued together to form a cube corner, followed by an inner cover (parts F7 to F10).



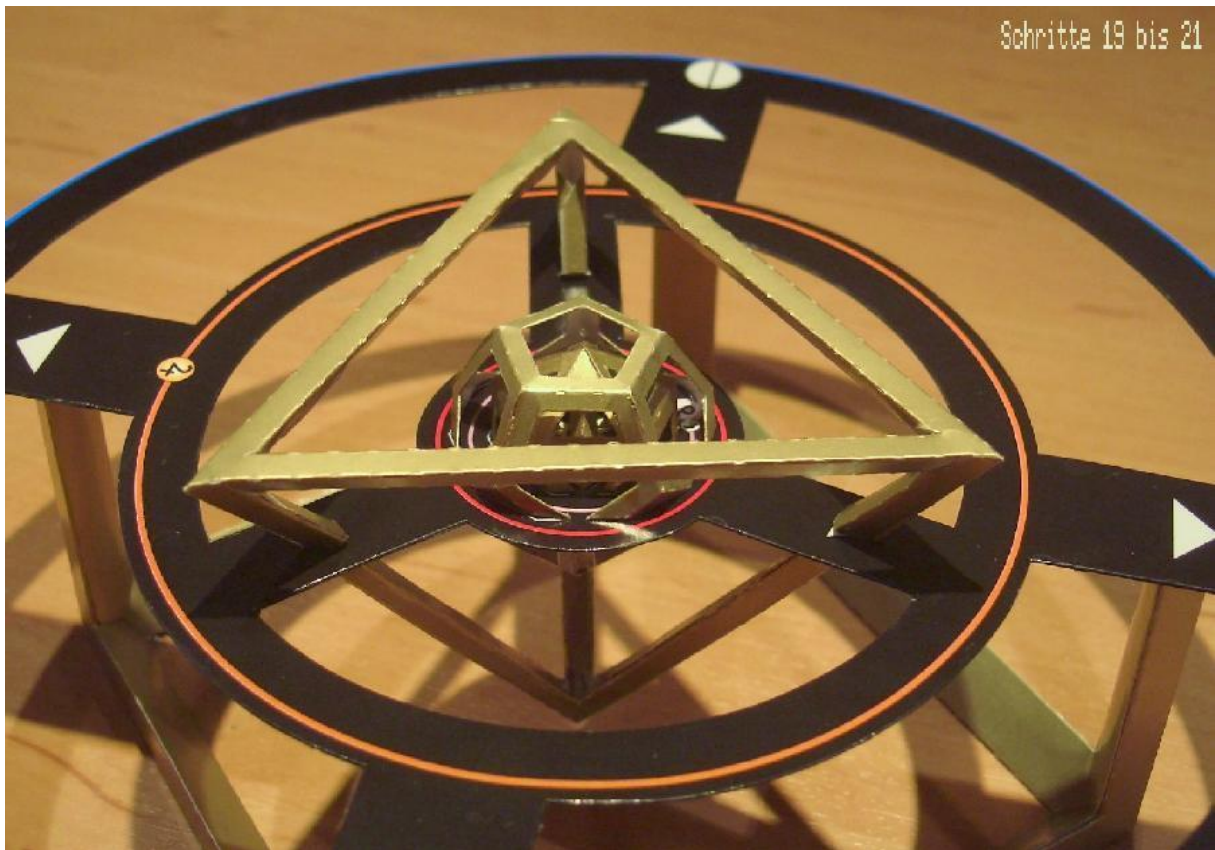
Steps 14 – 16: The previously created cube corners are merged.



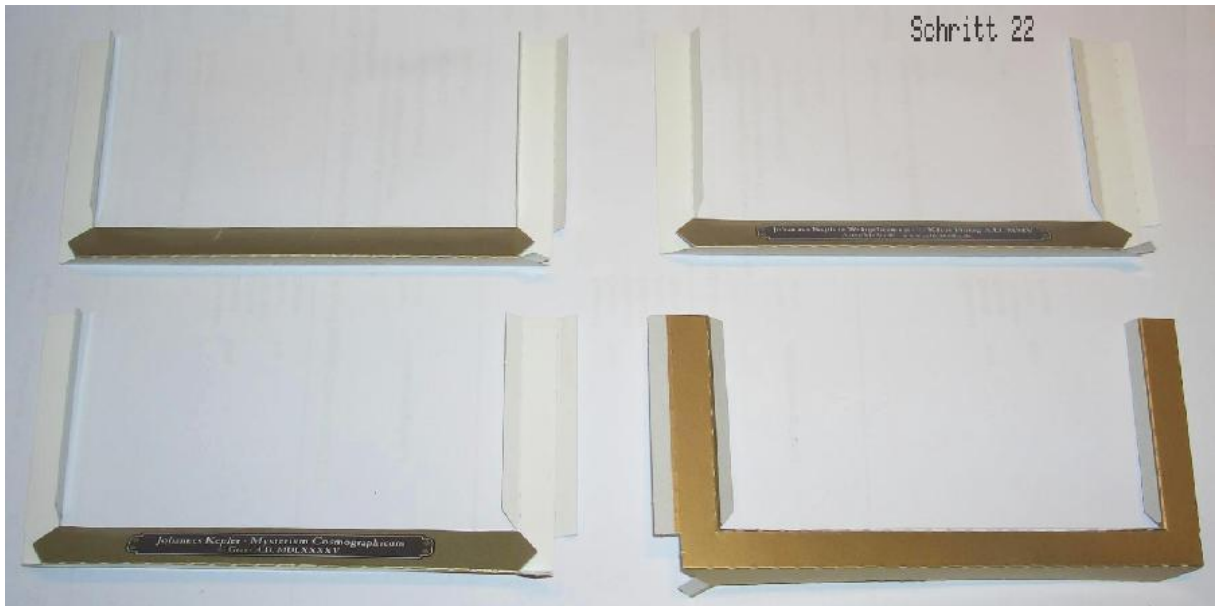
Steps 17 – 30: The upper part of the cube was glued to the disc and the lower sides of the platonic bodies were created analogously to the procedure for their upper sides. The picture also shows the prepared parts of the stander.



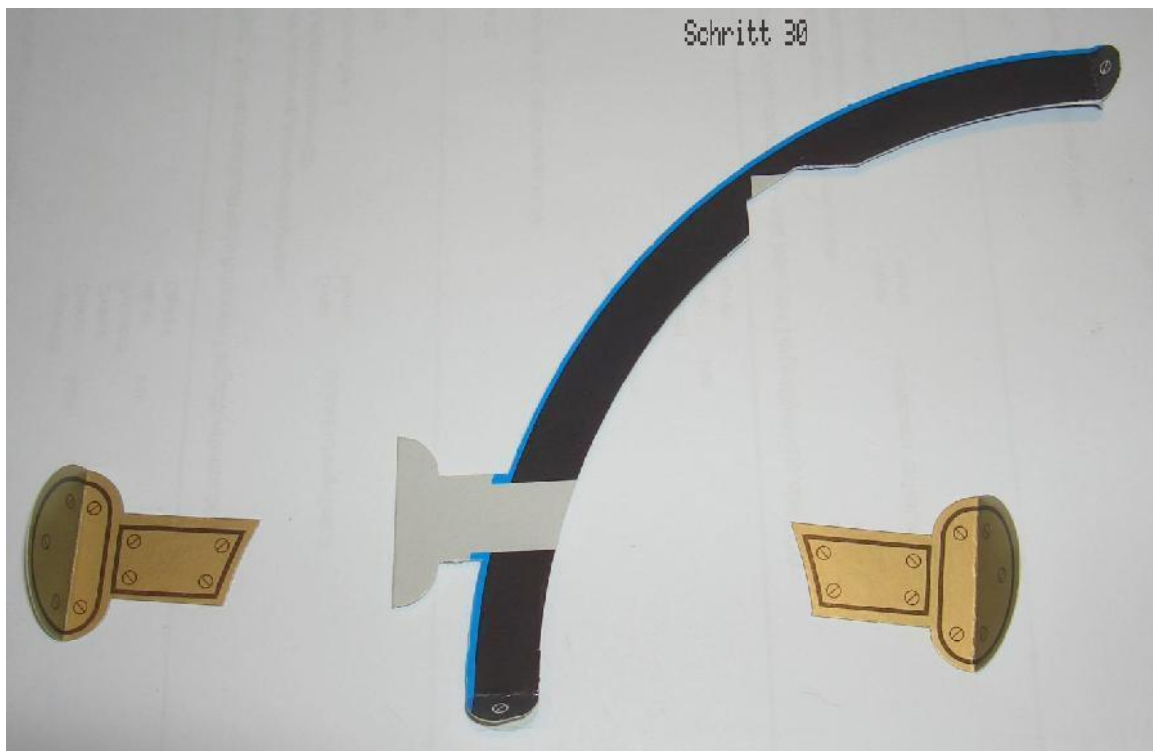
Step 18: The lower part of the octahedron. As you can easily see, the half-finished model was turned upside down for further work.



Steps 19 – 21: The other Platonic Bodies on the underside.

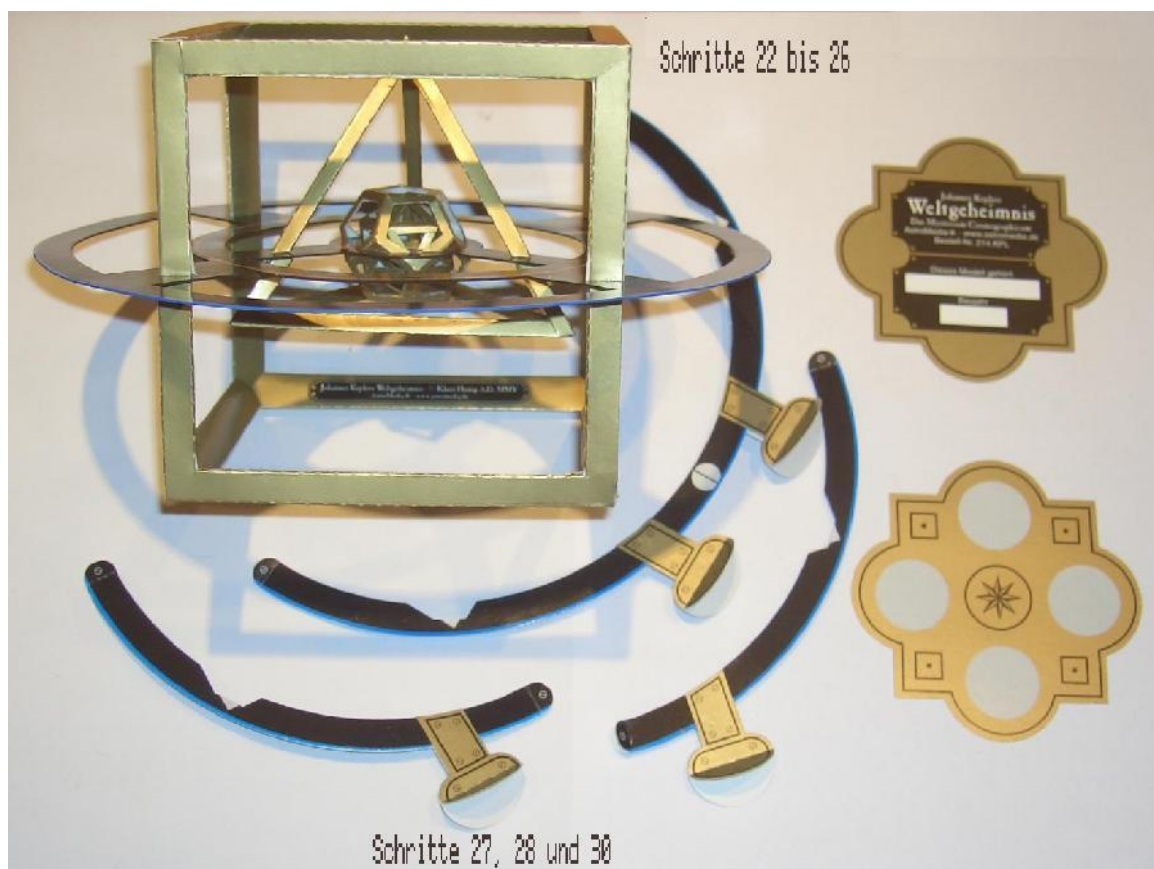


Step 22: The lower part of the cube. Here, identical to the upper part of the cube (see picture of step 14), the construction deviated slightly from the instructions.

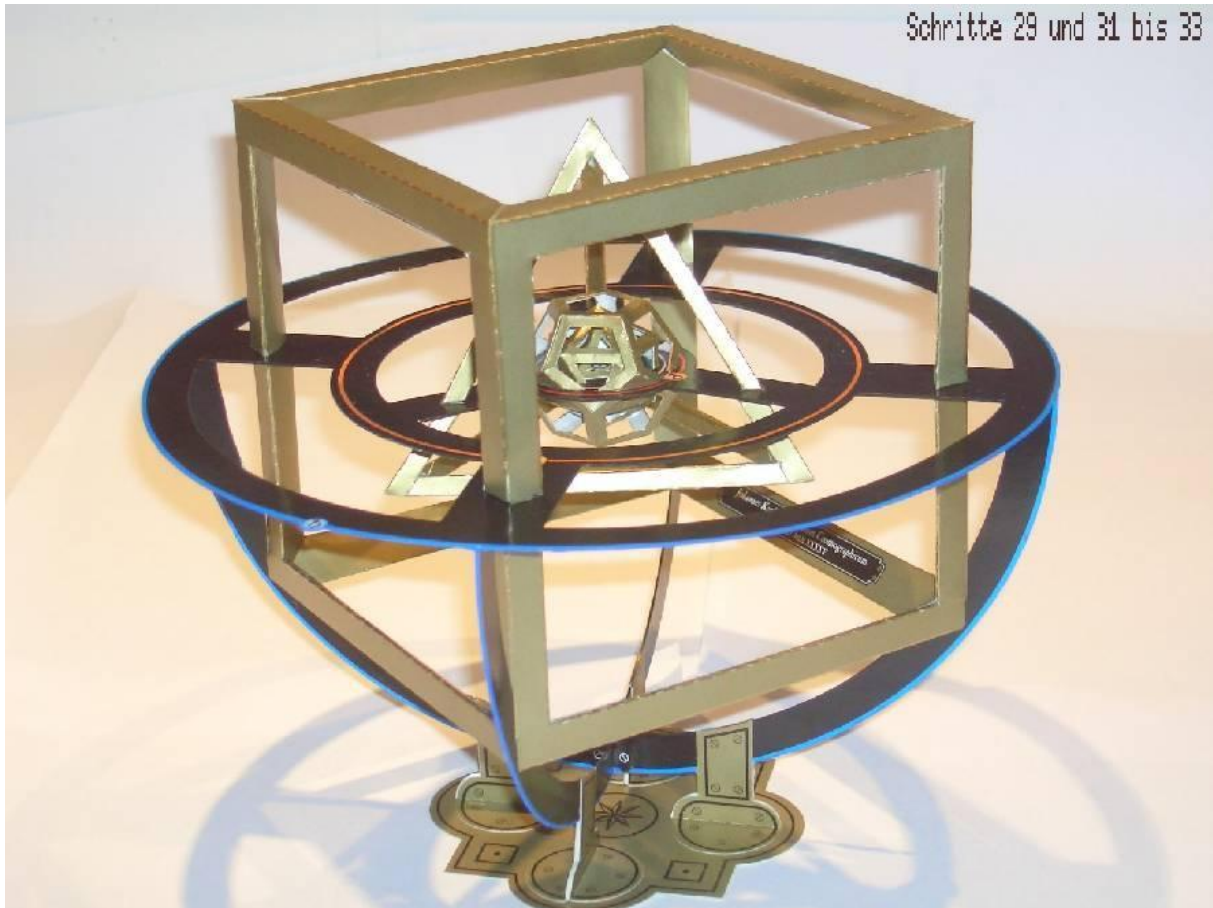


Step 30: One of the side parts of the stander.

The picture shows an example of how to proceed with the other parts of the stander.



Steps 27, 28 & 30: The finished cube base is glued to the underside of the disc and the parts of the stander are prepared for assembly.



Steps 29 & 31 – 33: After the open edges have been painted with black and blue paint, the parts of the stander are glued to the disc and to the corner slots of the lower half of the cube. Finally, the base plate is glued to the feet of the stander.

Done!