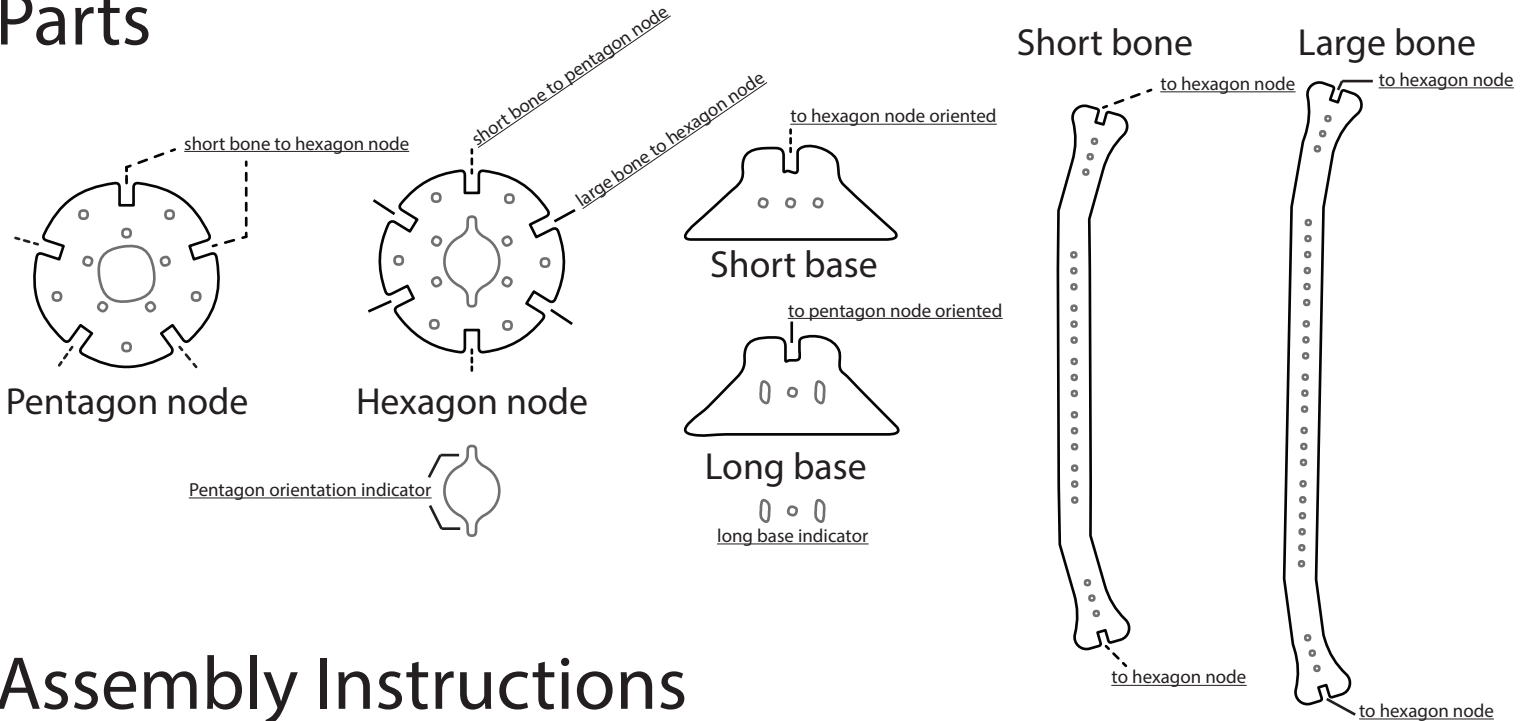


GEODESIC DOME - NILS REICHHARD

Using current CNC Router machines together with 3D parametric modeling software we are able to build big size structures that can give students new insights and opportunities for their learning.

Geodesic domes are polyhedrons made out of triangles, that approximates a sphere. They are rigid and can distribute their structural stress throughout the structure itself, being capable of supporting heavy loads.

Parts



Assembly Instructions

Bottom-Up assembly

- 1) Use cable straps to firmly join the parts together.
- 2) Start by assembling the base circle, with 10 hexagon nodes and 10 large bones. Nodes must be oriented in pairs. Place the bases accordingly.
- 3) Continue by building the second and third row of nodes with their respective bones. Remember that there is a pentagon orientation indicator.
- 4) The top is added at the end, and consists in a pentagon node with 5 short bones.

