



Related to a new class of materials—"quasicrystals" – dodecafoam is a highly ordered froth of dodecahedra; this froth is ordered at all scales, from the infinitesimal to the infinitely large. However, there is no symmetry in the usual sense: each dodecahedron in the froth has a unique relationship to the whole.

We begin by faceting a dodecahedron, cutting it apart with planes that crisscross through its vertices, chopping it into variously shaped cells. The innermost cell is itself a miniature dodecahedron, three golden powers smaller than the first. Nested between the two, in layers, we see the three stellated dodecahedra, each made from the last by adding back the pieces we obtained from faceting. The image on this poster is of the first stellation, tucked deep within the dodecahedron shown on the last poster of this series.