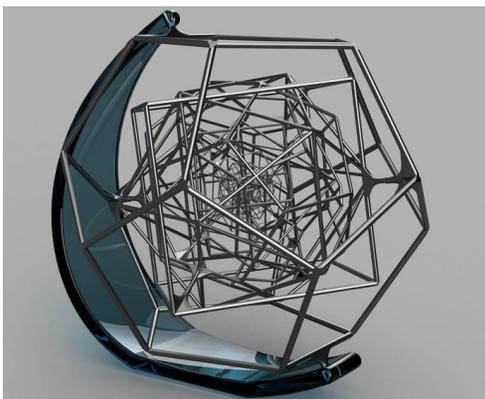# Ajax McIntosh Model

A New Lexicon for the Elements Where Vibration, Consonance and Ratios Dictate a Natural Order

Description

The Ajax McIntosh Model is the new multi-dimensional depiction of the periodic table of elements, represented by a series of twelve nested Platonic solids. Each Platonic solid represents an electron shell (magnetic field); the Ajax McIntosh Model has twelve electron shells, as opposed to the popular Mendeleev's model of seven shells and four sub-shells.
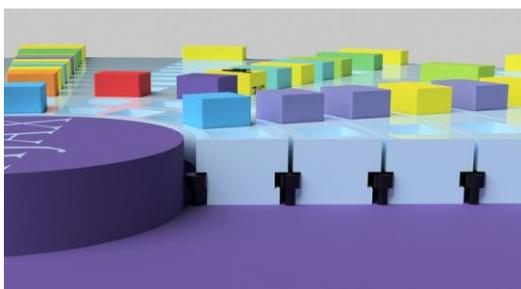
There is an alternation between dual-paired and regular Platonics. Each subsequent electron shell ascends in complexity, where the difference between the number of faces and vertices doubles. This represents an octave.
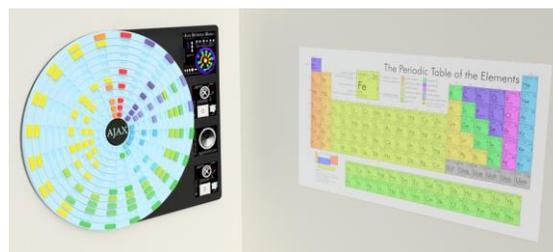

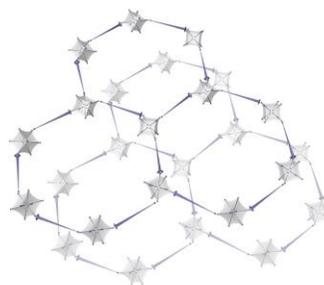*Ajax McIntosh Model*

Removable elements

Side view of rotational electron shells

Ajax Model compared to Mendeleev's table

Copper atom - 3D printed

H_3O_2 "exclusion zone" water

Len Murray
860.884.0074 / lpm.dunedain@gmail.com

Intended Use & Purpose

These 3D models of the new periodic table of elements are designed for educational purposes. It is important to have actual 3-dimensional physical models of the periodic table and individual elements to gain a better understanding of nature.

Status

Dunedain is currently in discussion with Open Fab PDX (openfabpdx.com). We are designing two versions of the Ajax McIntosh Model for 3D printing. One is an actual 3-dimensional model of the 12 nested Platonic solid electron shells. Each shell is designed to spin on at least one axis, resembling the actual mechanical movement of the elements. Element indicators reside at each vertex. The second is a "pizza pie" version, designed to hang on a wall. This version has moving concentric electron shells, and removable elements with several atomic properties on each. Also in design are individual elements, beginning with the lighter elements, up to silicon.

These software designs are complete; now ready for the next stage of actual construction via 3D printing technology.

Budget, Resources, Timeline

Estimates include the construction of actual working models - the first one. Much effort goes into the first one; subsequent copies and/or versions are substantially less expensive to produce.

Project	Scope	Resources	Estimate	Duration
Ajax McIntosh Model	12 nested Platonic solid electron shells	Dunedain Open Fab PDX	$75,000	4 months
Ajax McIntosh Model - "pizza pie"	3-dimensional, flat wall model	Dunedain Open Fab PDX	$75,000	4 months
Individual elements - 1st 12	Hydrogen to silicon (remaining heavier elements are more complex)	Dunedain Open Fab PDX	$150,000	6 months
Heavy Elements	Elements beyond silicon are more complex to construct, and would need to be designed on an individual basis.			