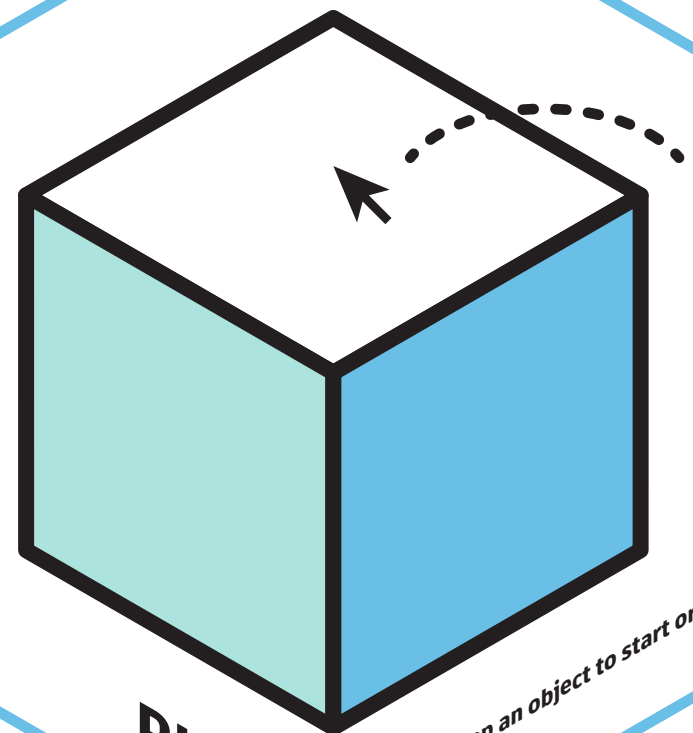
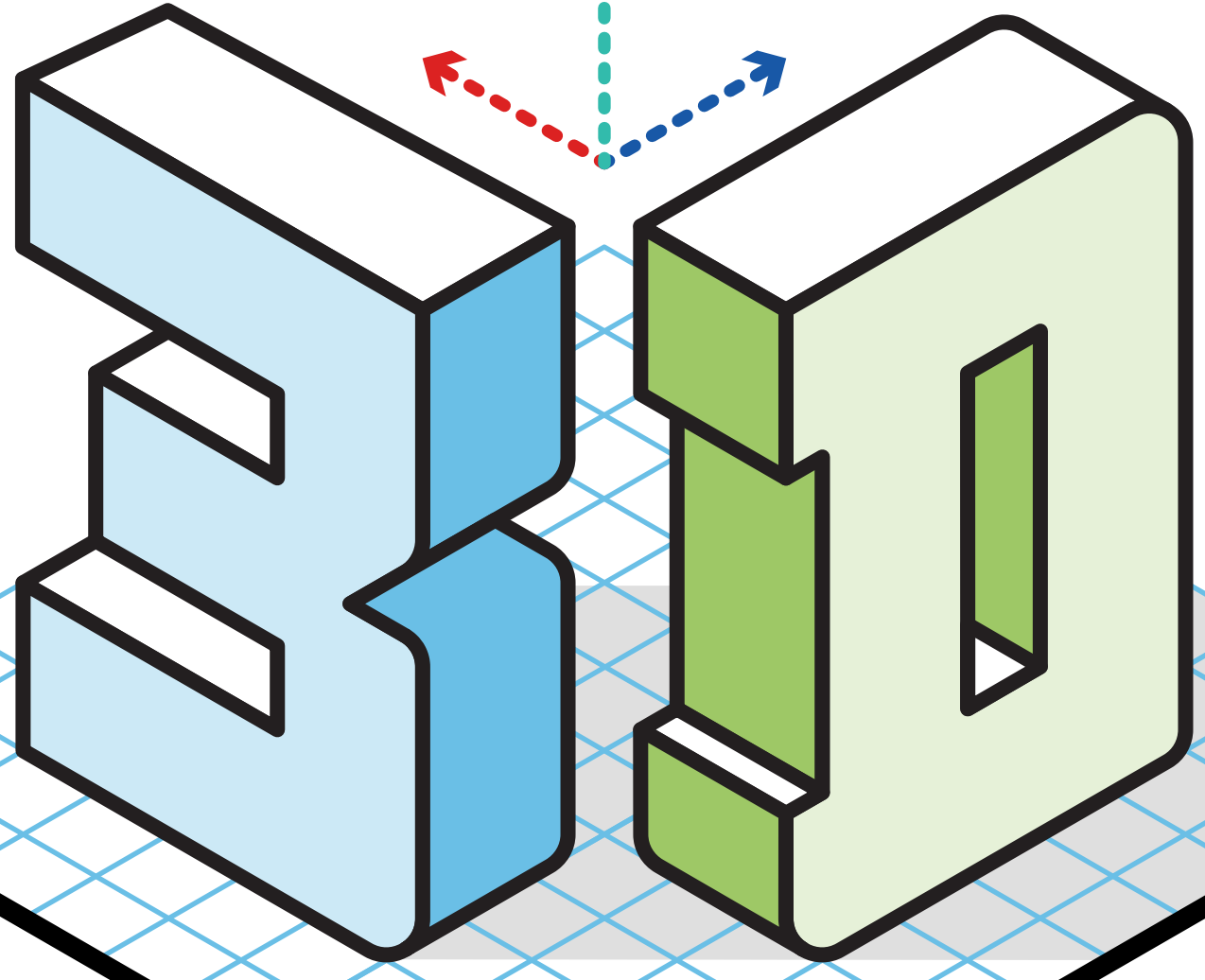
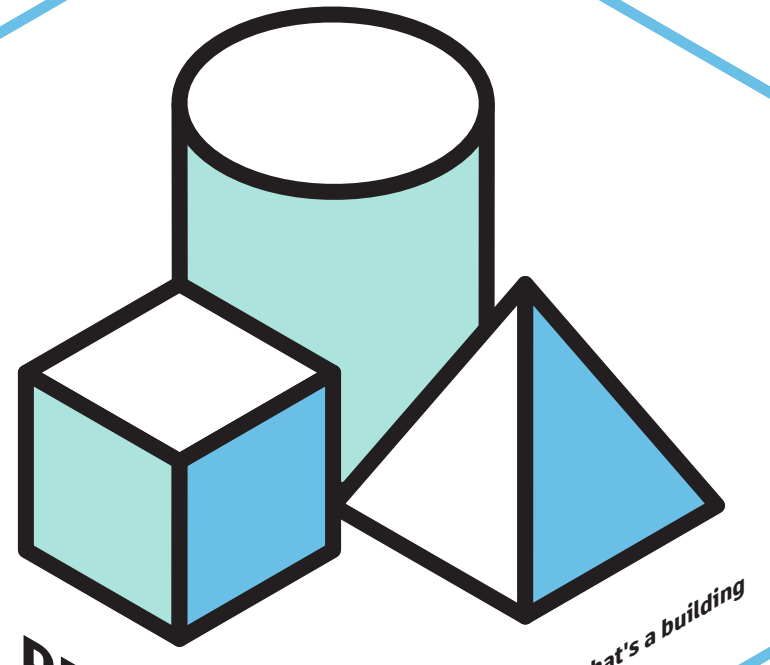


HOW TO SPEAK



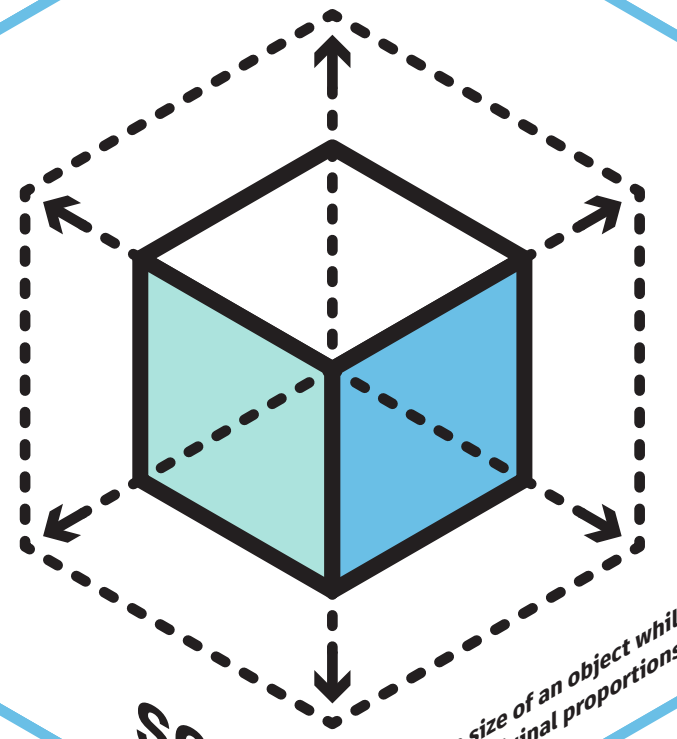
PLACE

Drag and drop an object to start or add onto a design



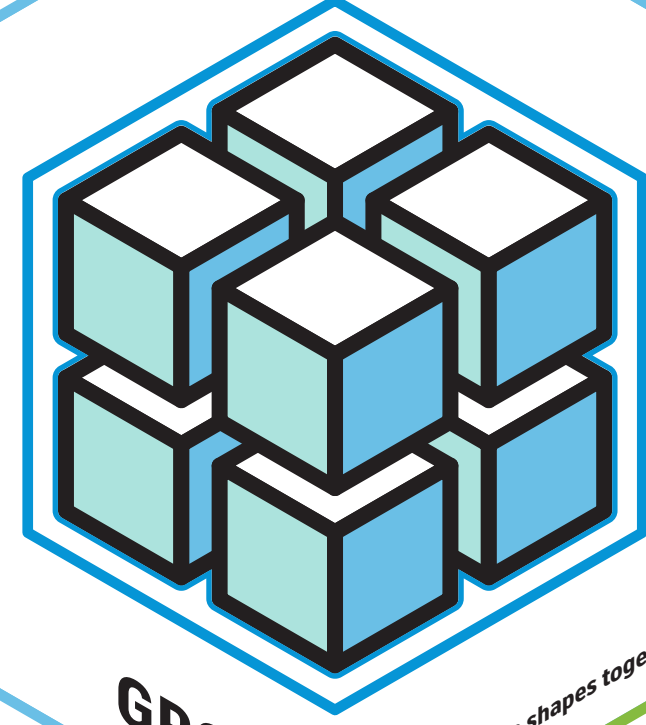
PRIMITIVE

Basic geometric shape that's a building block for 3D design



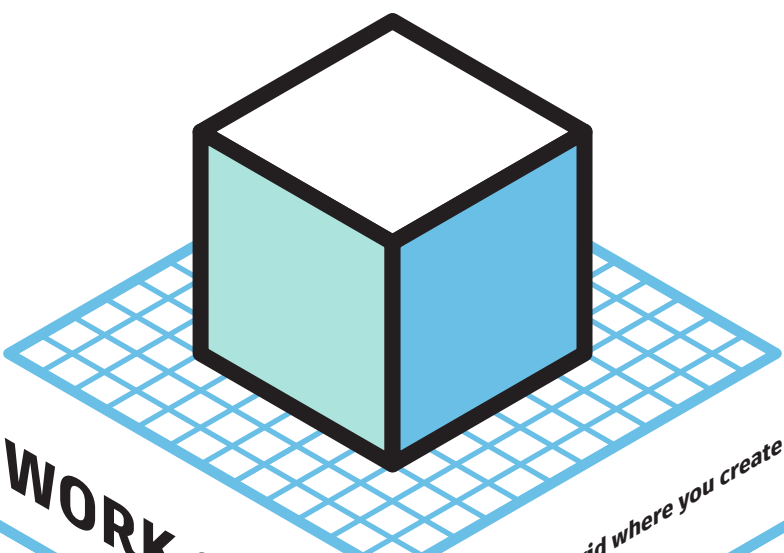
SCALE

Change the size of an object while maintaining its original proportions



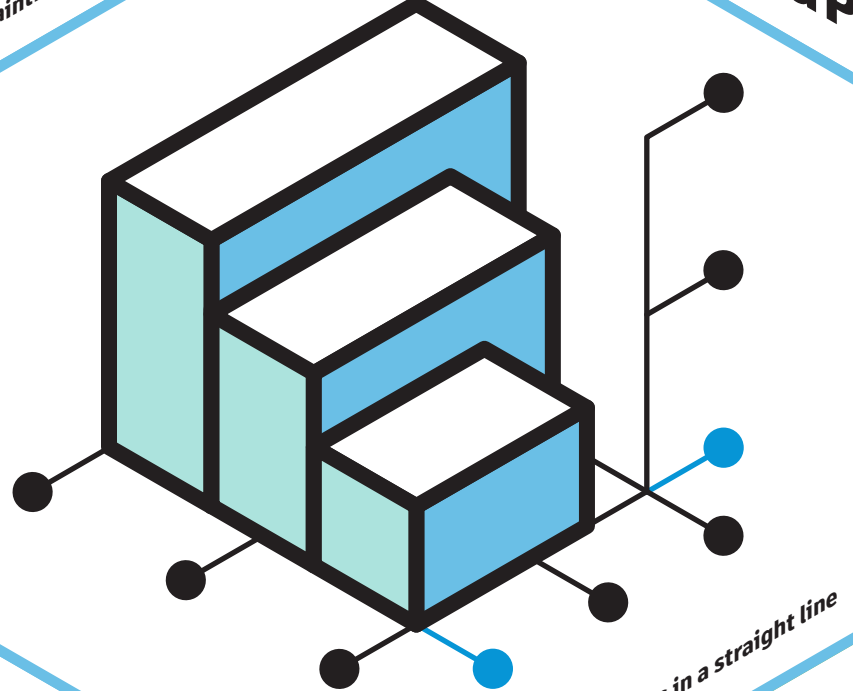
GROUP

Link two or more shapes together



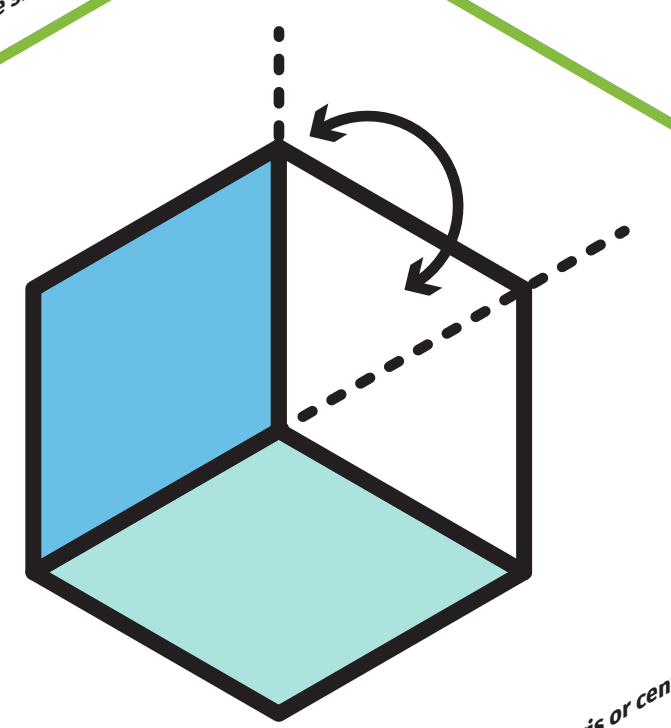
WORK SPACE

The large, blue grid where you create your designs



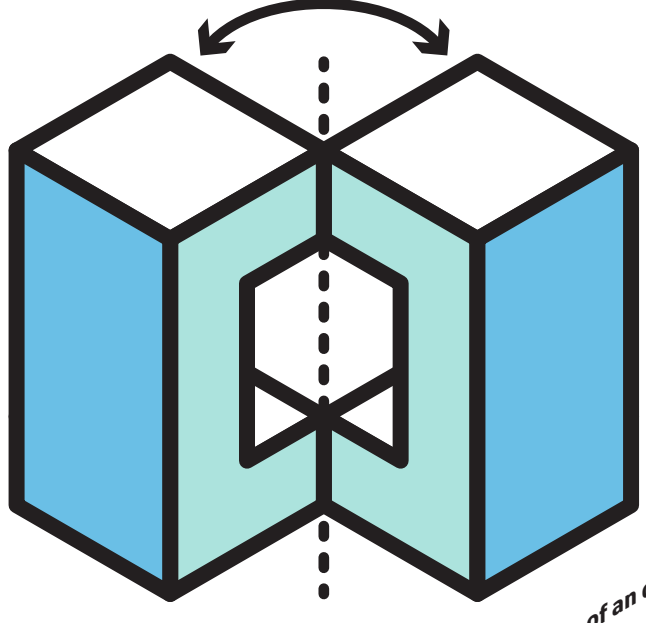
ALIGN

Place or arrange things in a straight line



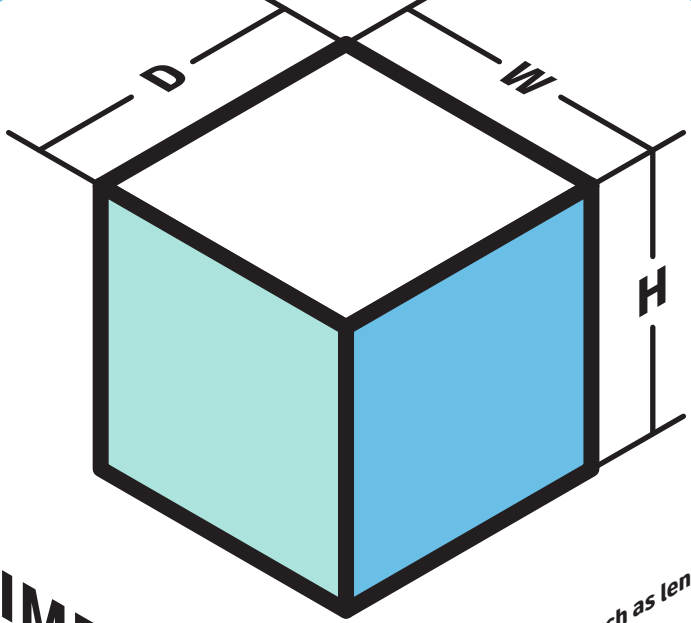
ROTATE

Move in a circle around an axis or center



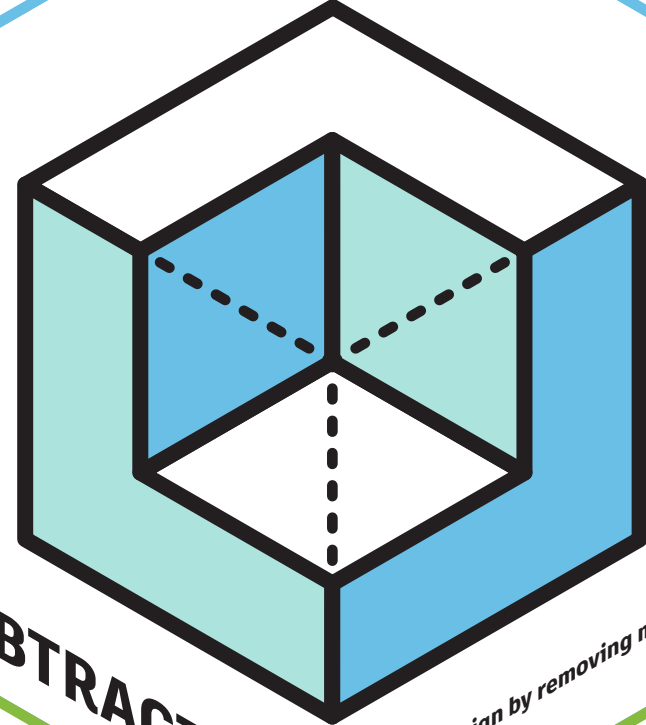
FLIP

Create the mirror image of an object or turn it over along an axis



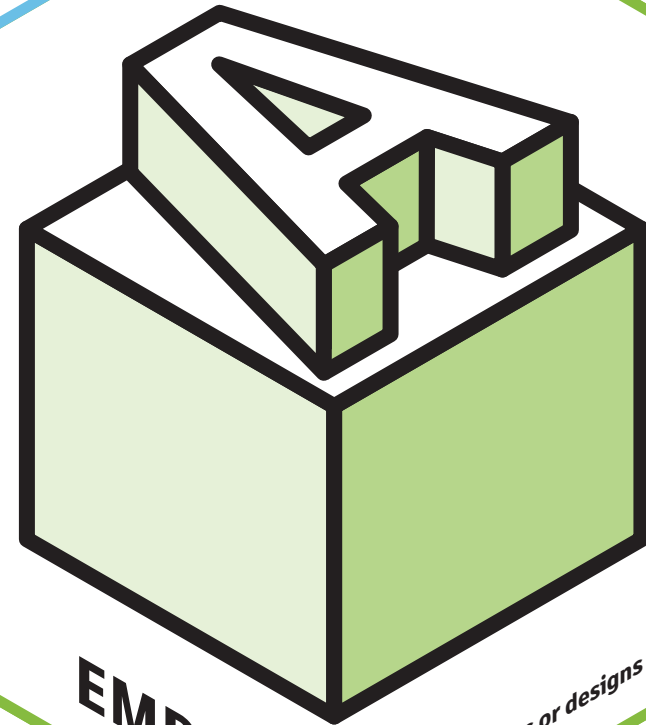
DIMENSIONS

A measurable extent, such as length, width, or height



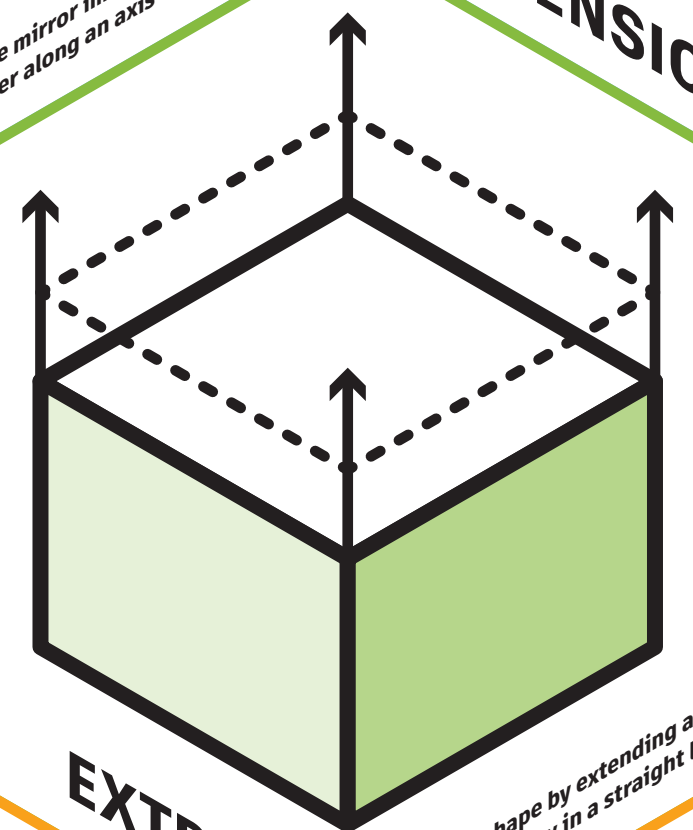
SUBTRACTION

Shape a design by removing material from it



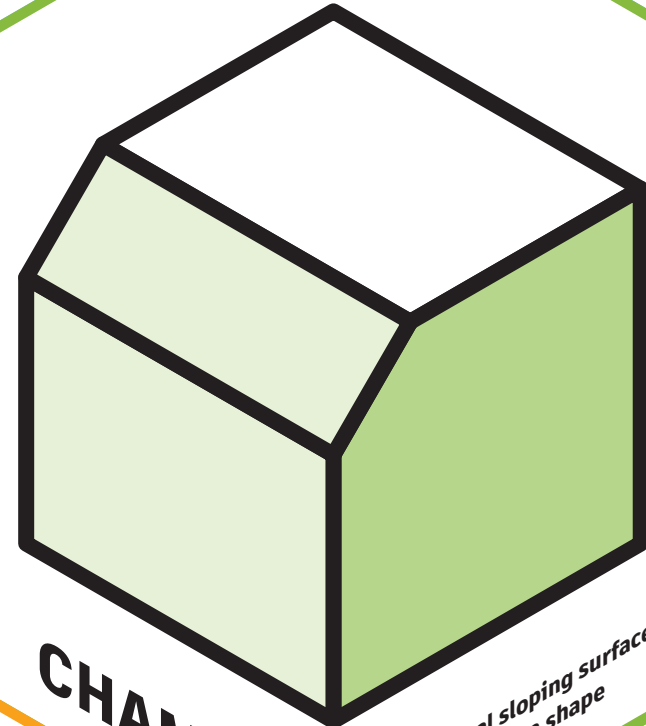
EMBOSS

Add raised shapes or designs to a surface



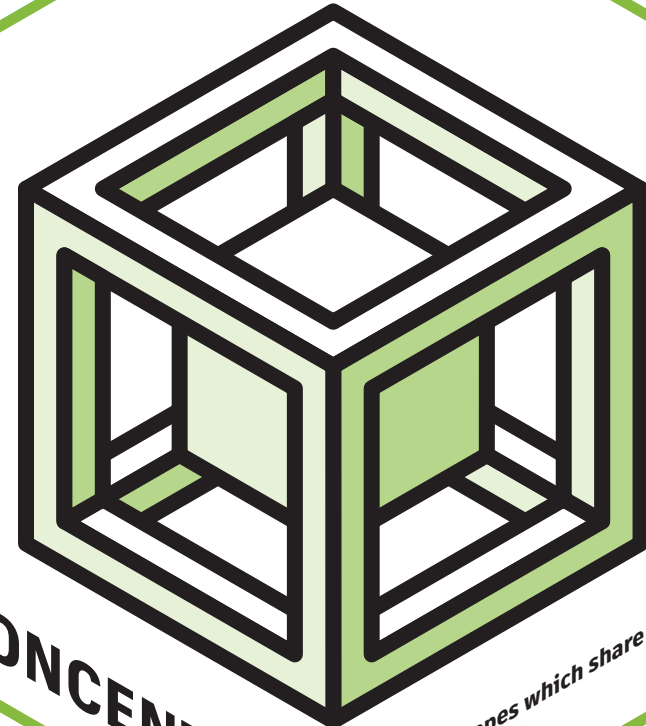
EXTRUDE

Create a 3D shape by extending a 2D shape outline away in a straight line



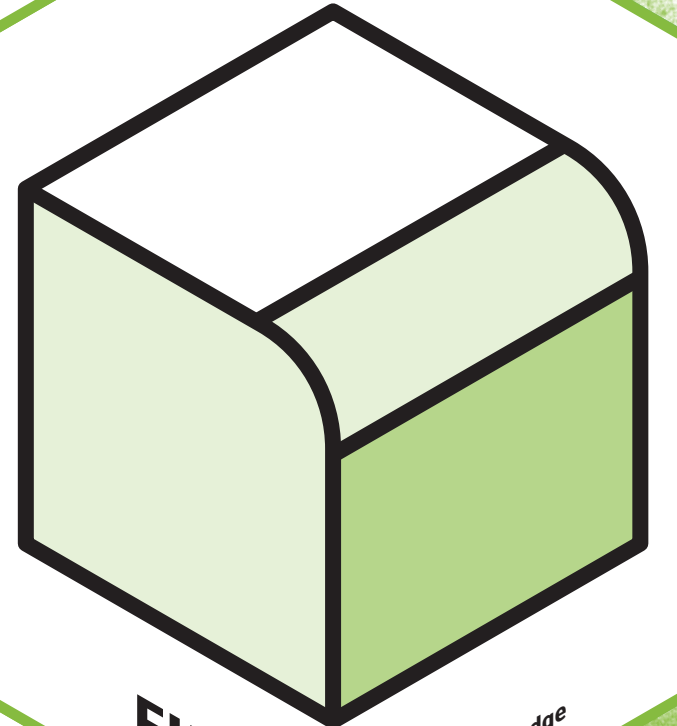
CHAMFER

A symmetrical sloping surface at an edge or corner of a shape



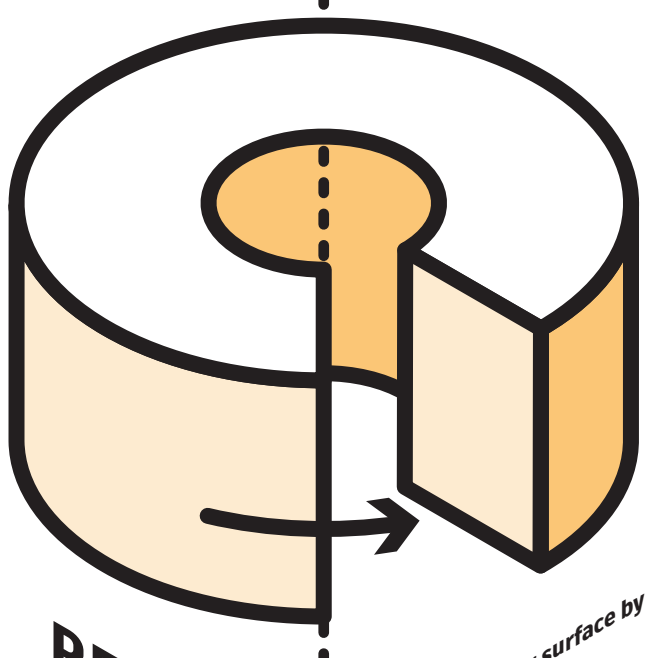
CONCENTRIC

Circles or shapes which share the same center point



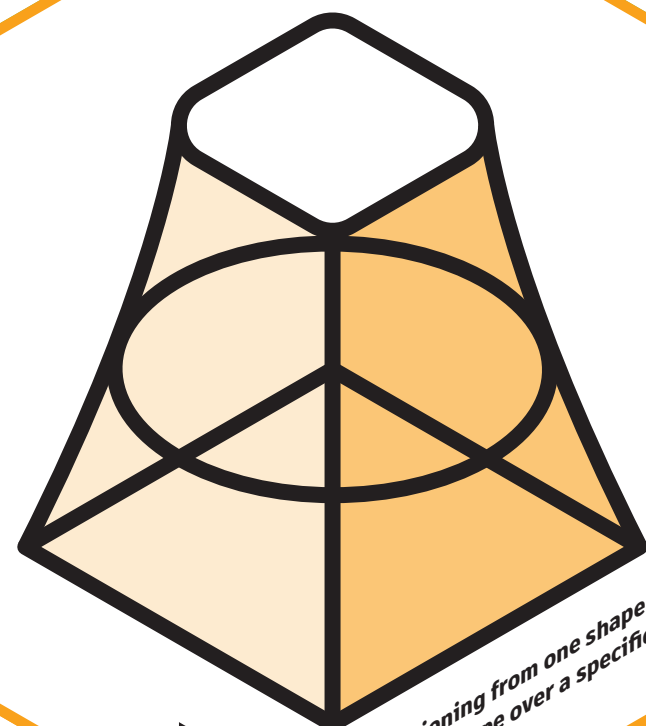
FILLET

Make a rounded edge



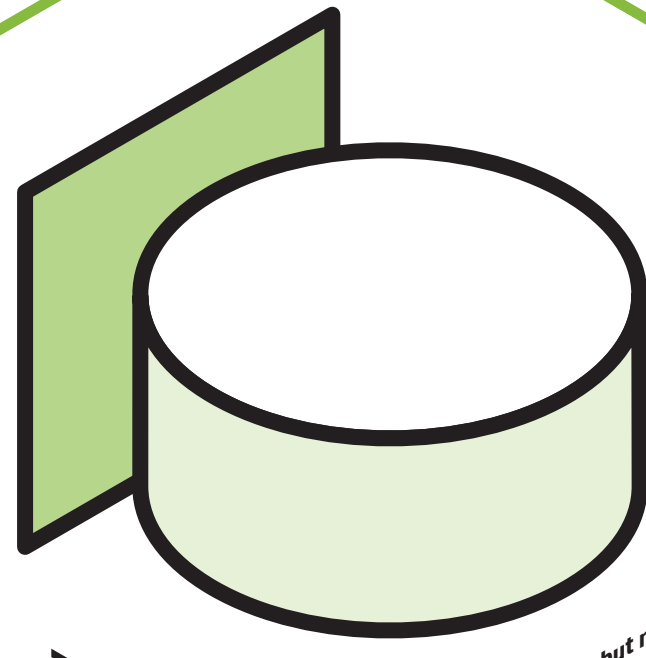
REVOLVE

Create a 3D solid or surface by sweeping an object around an axis



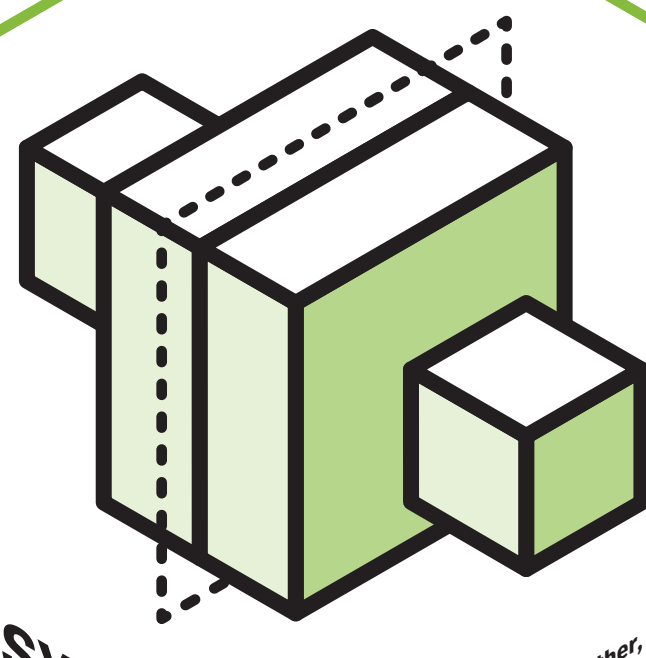
LOFT

Transitioning from one shape to a different shape over a specified distance



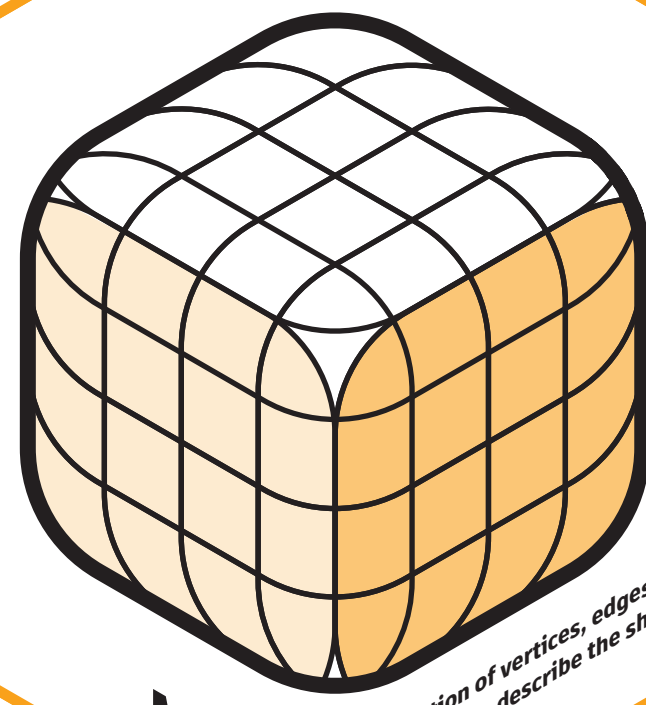
TANGENT

A line or plane touching, but not intersecting, a curve or curved surface



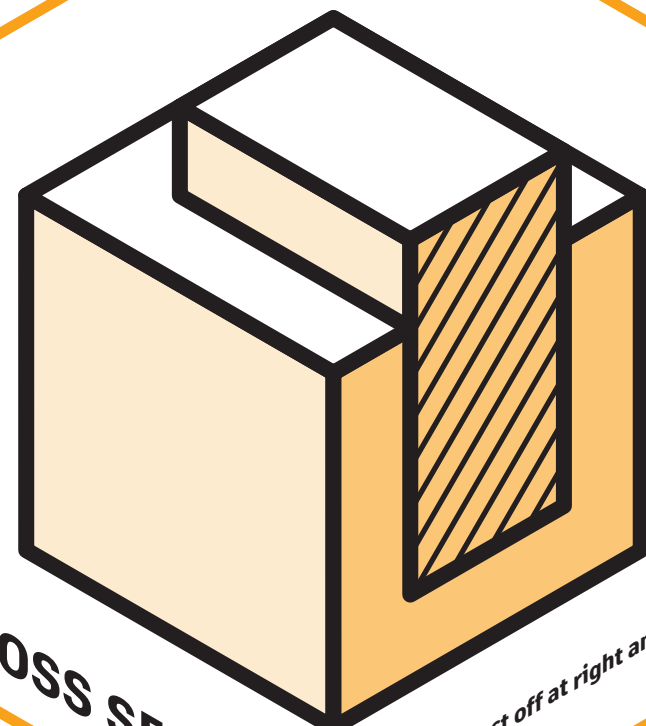
SYMMETRY

Twin parts facing each other, or in multiples, spaced equally around an axis



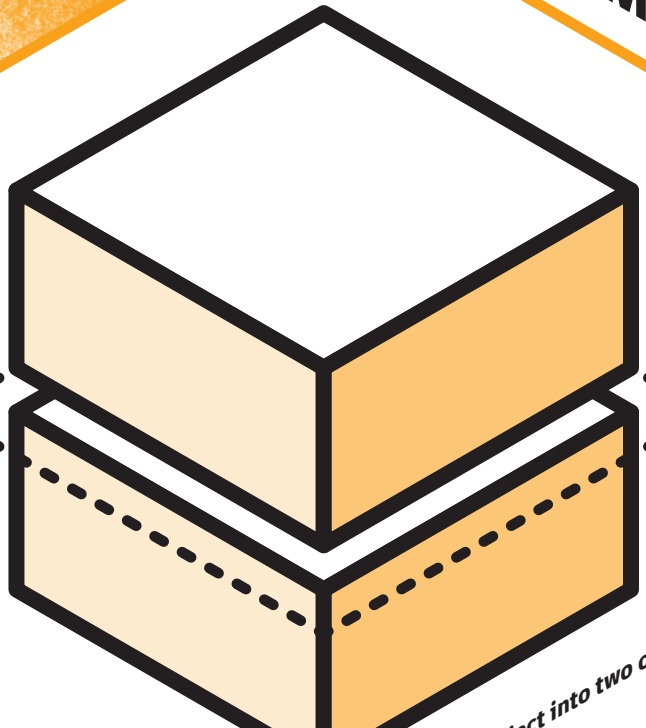
MESH

A collection of vertices, edges, and faces that can describe the shape of a 3D object



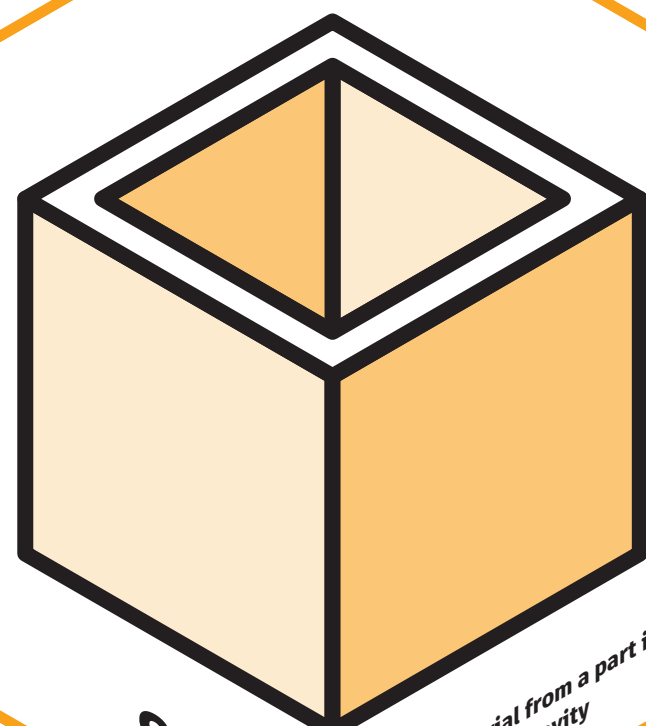
CROSS SECTION

To cut an object off at right angles to an axis



SLICE

Divide a solid object into two or more separate 3D objects



SHELL

Remove material from a part interior, creating a hollow cavity



COMBINE

Unite two bodies or components into a single component

Autodesk offers FREE 3D design software to teachers and students.

