

Class Seven Geometry Main Lesson

Class Seven Lower has completed a Main Lesson on the Platonic Solids.

The Pythagoreans believed the study of Geometry to be the highest form of mathematical studies through which one can explain the physical world.

For the Class Sevens their emerging objective power of intellect was applied to an artistic and exacting experience of plane and solid geometry. Coordinate geometry was introduced as a practical and effective way of communicating the location of points and lines on a plane surface.

Students constructed nets for the Platonic solids and were asked to determine how nets would come together and where to position structural joints. Students constructed triangles, squares, pentagons and hexagons. These skills were then used to make accurate models of the cube, tetrahedron, octahedron, icosahedron and dodecahedron. Properties of these three dimensional shapes were examined and recorded and students made constructions that depicted these three-dimensional solids in two dimensions.

Walter Jefimenko, Secondary Maths Teacher

