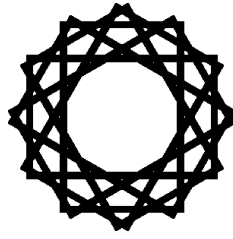


Islam IDU



Notes for Interdisciplinary meeting

Mathematics

The students have constructed progressively more difficult shapes and are ready to construct the different 'girh' geometric shapes in the next phase of the project in art. The students have encountered shapes where the golden mean or ratio is represented, by constructing the golden rectangle and the pentagon, with progression into the decagon. Their constructions of the pentagon, decagon, golden rectangle, and their work last year on the Fibonacci sequence have prepared them for the mathematical discoveries of Antiquity, Euclid, Islam and all mathematicians that have followed searching for the golden ratio, or the divine ratio, the infinite.

Assessment

Their assessment will focus on pattern recognition, and searching for the general rule of the Golden Ratio, through investigating Fibonacci, the Golden Rectangle, the pentagon and the decagon. Their path will be discovery to the door of PHI.

They will also have a reflection assessment that will be investigating the properties of the golden ration, PHI in art, architecture and nature.

