

# Research Notes 2/12/2018

☐ February 25, 2018    ☐ 0 Minutes

## Medieval Islamic World

- Golden Age: 8th – 13th Century
  - Science
  - Economic development
  - Cultural works
- Caliphate:
  - Under the leadership of a religious leader “Muhammad”
  - Translated the worlds knowledge to Arabic
    - Apply this to my design?
    - Translate knowledge into your language
- Collapse of the Empire
  - Mongal Invasions
  - Siege of Baghdad 1258 A.D.
- Mathematics
  - Geometric patterns
  - Algebra
  - Geometry
  - Trigonometry
  - Calculus
- This Math influenced Islamic Art
  - Pictures of people were not allowed in holy places
  - Geometric patterns
    - Decagon
    - Hexagon
    - Rhombus
    - Pentagon
    - Same lengths
    - Angles multiples of 30\*
    - 5x and 10x Symmetry
- Next Research
  - Drum Machine Apps

- Monty Python – What has Islam ever done for us?
- Types of Islamic Patterns

