Unit 6: Advanced Floor Plans - Designing with a Proportioning System / Ken Mat Floor Plan Design

Content Area: **Technology**

Course(s):

Time Period: February
Length: 9-10 Blocks
Status: Published

Enduring Understandings

- 1. Architecture of History and Today is/was primarily designed using some form of proportioning or regulating system
- 2. Proportioning systems help to regulate a design and provide order and connection
- 3. Proportioning systems not only connect to a "datum", but also connect to the humans using the space.
- 4. The human scale directly influences the size and design of the space.
- 5. Throughout history designers have studied different proportioning systems in a pursuit of "perfect design"

Essential Questions

- 1. Why is it important to connect a deeper meaning to an architectural design?
- 2. How have cultures in the past used symbolism and meaning in the buildings they create?
- 3. How have the great designers of history used their proportioning system to create a method of building?
- 4. Why are proportions important when designing for human scale?
- 5. What is a "datum"? How does it drive a design?

Content

Regulating Lines, Proportioning System, Ken Proportioning, Golden Section, Golden Ratio, Classical Orders, Renaissance Theories, Modular, Anthropometry, Scale, Proportions, Structural Proportions, Material Proportions

Skills

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