K-8 Macroconcepts

K: Exploration

- exploration confronts the unknown
- exploration may result in "new findings" or the confirmation of "old findings"
- exploration requires recognizing purpose and responding to it

1: Patterns

- patterns have segments that are repeated
- patterns allow for prediction
- patterns have an internal order
- patterns are enablers

2: Systems

- systems have parts that work to complete a task
- systems are composed of sub-systems
- parts of systems are interdependent upon one another and form symbiotic relationships
- a system may be influenced by other systems
- systems interact
- systems follow rules

3: Structures

- structures have parts that interrelate
- parts of structures support and are supported by other parts
- smaller structures may be combined to form larger structures
- a structure is no stronger than its weakest component part

4: Relationships

- everything is related in some way
- all relationships are purposeful
- relationships change over time

5: Change

- change generates additional change
- change can be either positive or negative
- change is inevitable
- change is necessary for growth
- change can be evolutionary or revolutionary
- ❖change is linked to time
- ❖change is everywhere
- ❖change may be perceived as orderly or random
- ❖change may happen naturally or may be caused by people

6: Force

- force attracts, holds, or repels
- force influences or changes
- force and inertia are co-dependent
- force may be countered with equal or greater force

7: Conflict

- conflict is composed of opposing forces
- conflict may be natural or man-made
- conflict may be intentional or unintentional
- conflict may allow for synthesis and change

8: Order vs. Chaos

- order may be natural or constructed
- order may allow for prediction
- order is a form of communication
- order may have repeated patterns
- order and chaos are reciprocals
- order leads to chaos and chaos leads to order