

Thinking Tools

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Language of the Discipline

- tools
- jargon
- icons
- vocabulary



Details

- parts
- factors
- attributes
- variables



Patterns

- repetition
- predictability



Trends

- influence
- force
- direction
- course of action



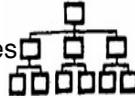
Unanswered Questions

- discrepancies
- missing parts
- unclear ideas
- incomplete ideas



Rules

- structures
- order
- hierarchy
- explanation



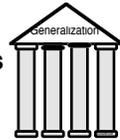
Ethics

- points of view
- different opinions
- judging



Big Ideas

- principle
- theory
- generalization



COMPLEXITY



Over Time

- connecting points in time
- within a time period
- predict based on time relationships



Different Points of View

- multiple perspectives
- opposing viewpoints
- different roles & knowledge



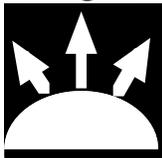
Throughout Disciplines

- within the discipline
- between disciplines
- across the disciplines

Content Imperatives

Origin

The beginning or start of something.

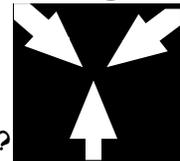


- What were the roots?
- What was the catalyst?
- How did this begin?
- What was the catalyst?

How or where things come together.

- How did things merge?
- What were the meeting points?
- Where is the intersection?

Convergence



Things that are the same in some way.

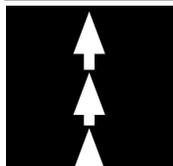
- What is similar?
- What is comparable?
- What seems the same as?

Parallels



Contribution

The effect one event has on another.

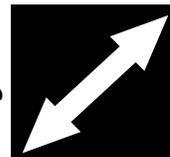


- How long did this build?
- What was this the result of?
- What things came together to cause this?
- What was the value?

Things that oppose each other.

- What are the opposing ideas?
- What is the dilemma?
- What are the inconsistencies?

Paradox



Definitions of depth and complexity are from "Differentiating the Core Curriculum and Instruction to Provide Advanced Learning Opportunities," Calif. Dept. of Education and Calif. Assn. for the Gifted, 1994. All symbols were developed under the auspices of OERI, Javits Curriculum Project T.W.O., 1996. Versions originally published by Educator to Educator, ©1995, 2005. Used with permission.