

Semantics


- Users' Meaning of the Information
- Rules and conventions for aligning Information with Domain
 - Collectively agreed by the group of users
 - Textbook Section 4.8

1


Information

- About something
- Representing it
 - Detached in time and space from what it is representing
- Expressed in a representation system

Information



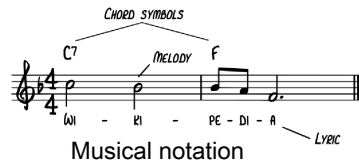
No information



2

Representation system

- **Semantics**
 - Coupling a domain to a set of symbols
 - Meaning
- **Syntax**
 - Symbols
 - Rules for combining symbols
- Combined symbols
 - Combined meaning
- Examples
 - Language
 - Formal language
 - Arabic number system
 - Roman number system



3

Learning failure – interference

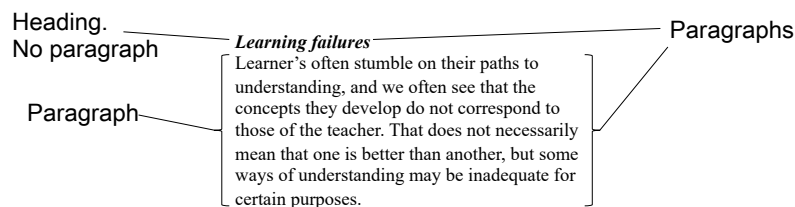
- Two concepts with similar properties
- Basing learning on the wrong preconception

Grammar

A paragraph is a sequence of sentences dealing with one point

Word processors

A paragraph is a sequence of characters ending with Enter



4

