

# Three Kinds of Databases

1. **Text-Based:** includes only text information (words and numbers)
2. **Hypermedia-Based:** consists of information in nodes, such as pages, note cards, or individual objects
3. **Multimedia-Based:** consisting of a variety of media forms – pictures, video clips, text, and sound.

# Databases and Problem-Solving

Databases allow students the opportunity to search, sort, create, and communicate with an authentic problem contained in their learning environment. Modern education has a duty to promote opportunities to develop, organize, and analyze information.

# Four Sources for Educational Databases

The four sources available to educators include:

- Student-Constructed
  - Limitations include the fact that the information is only as good as student's background knowledge.
- Teacher-Created
  - Limitations include large time consumption.
- Commercial
  - Limitations include commercial bias and possible funding constraints.
- On-Line
  - Limitations include that information can change without warning and can be impossible to access database at particular times.

A Database Using Educator Always

# ACTS

**A**uthentic Problems (i.e. real-world problems)

**C**lear Outcome (i.e. know the finished product)

**T**hinking Skills (i.e. search, sort, create, communicate)

**S**oftware Skills (i.e. providing controlled opportunities for database practice)

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Everything You Ever Needed to Know about Databases

FAQs about Teaching with Databases



A collection of information about a specific topic that is organized in a medium that is able to be manipulated according to the affordance of a lesson.