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Inductive Teaching – a powerful strategy for engaging all learners in a structured lesson

Objectives of the Inductive Model

Thinking Inductively

help students learn to work inductively collecting & organizing info, forming categories &hypotheses, developing skills, & using, the knowledge & skills appropriately

Inquiring Collaboratively

Build a learning Community in the Classroom where Individuals learn to Share the products Of their inquiries And where groups And the whole class Plans studies together

Building conceptual control over areas of study

organizing data, building hypotheses, & converting information into skills is designed to increase the likelihood that what is learned "stays learned"

Six Phases

Phase 1 and 2

1.)
Identify the domain
Establish the focus & Boundaries of the Initial inquiry
Clarify the long – Term objectives
2.)
Collect, present, & Enumerate data
Assemble, and present The initial data set

Phase 3 and 4

3.)
Examine data
Thoroughly study the items in the data set & identify their attributes
4.)
Form concepts by classifying
Add data to the set
Reclassification occurs possible many times

Phase 5 and 6

5.)
Generate & test hypotheses
Classify categories as appropriate
6.)
Consolidate & transfer
Convert categories into skills