Better Learning Through Structured Teaching

Douglas Fisher

TEACHER RESPONSIBILITY

STUDENT RESPONSIBILITY

A Structure for Instruction that Works
(c) Frey & Fisher, 2008
In some classrooms …

**TEACHER RESPONSIBILITY**

Focus Lesson

“I do it”

Independent

**STUDENT RESPONSIBILITY**

“You do it alone”

And in some classrooms …

**TEACHER RESPONSIBILITY**

Focus Lesson

“I do it”

Guided Instruction

“We do it”

Independent

“You do it alone”

Aimee Chen: First year geometry teacher

• How does she use “literacy” in her instruction?
• How does the classroom structure facilitate understanding?
• How might she improve her instruction?
Establishing Purpose

Why?
- Focuses attention
- Alerts learner to key ideas
- Prevents "birdwalking" and maximizes learning time
- Can be used in formative assessment

Types
- Content goal (based on the standards)
- Language goal (vocabulary, language structure, and language function)
- Social goal (classroom needs or school priorities)

Three Types of Language Purposes

Vocabulary: (specialized, technical)
Structure: (the way the vocabulary is used in sentences to express ideas)
Function: (the intended use of those ideas)

These language purposes build upon one another over a series of lessons.

Vocabulary

Specialized
- Words whose meaning changes depending on the context (problem, simplify, value)
- Multiple meaning words (run, place)
  These can be "brick" or "mortar" words

Technical
- Words that represent one concept only (denominator, photosynthesis)
  These are the "bricks" of language

Language Structure

Grammar/syntax: rules for language use (e.g., plurals, noun/verb agreement)
Signal words: guideposts to support understanding of listener/reader (e.g., if/then, first, last, compared to)
Frames and templates: scaffolds for apprentice language users ("On the one hand, ________. But on the other hand, ________.")

Language Function

Halliday identified 7 language functions (instrumental, regulatory, interactional, personal, imaginative, heuristic, representational)

These are translated into classroom interactions (express an opinion, summarize, persuade, question, entertain, inform, sequence, disagree, debate, evaluate, justify)

The “big a-ha”

The same content objective can have many different language purposes!

CO: Identify the phases of the moon.
LP #1: Name the phases of the moon. (vocabulary)
LP #2: Use sequence words (first, next, last) to describe the phases of the moon. (structure)
LP #3: Explain how the moon, earth, and sun move through the phases. (function)
Modeling

**Why?**
- Humans mimic or imitate
- Students need examples of the type of thinking required
- Facilitates the use of academic language

**Modeling Comprehension**
- Inference
- Summarize
- Predict
- Clarify
- Question
- Visualize
- Monitor
- Synthesize
- Evaluate
- Connect

**Word Solving**
- Context clues
- Word parts (prefix, suffix, root, base, cognates)
- Resources (others, Internet, dictionary)

**Using Text Structure**
- Informational Texts
  - Problem/Solution, Compare/Contrast, Sequence, Cause/Effect, Description
- Narrative Texts
  - Story grammar (plot, setting, character)
  - Dialogue
  - Literary devices

**Using Text Features**
- Headings
- Captions
- Illustrations
- Charts
- Graphs
- Bold words
- Table of contents
- Glossary
- Index
- Tables
- Margin notes
- Italicized words
What Happened to Phineas?

Attend the tale of Phineas Gage. Honest, well liked by friends and fellow workers on the Rutland and Burlington Railroads, Gage was a young man of exemplary character and promise until one day in September 1848. While tampering down the blasting powder for a dynamite charge, Gage inadvertently sparked an explosion. The inch thick tamping rod rocketed through his cheek, obliterating his left eye, on its way through his brain and out the top of his skull.

The rod landed several yards away, and Gage fell back in a convulsive heap. Yet a moment later he stood up and spoke. His fellow workers watched, aghast, then drove him by oxcart to a hotel where a local doctor, one John Harlow, dressed his wounds. As Harlow stuck his index fingers in the holes in Gage’s face and head until their tips met, the young man inquired when he would be able to return to work.

Within two months the physical organism that was Phineas Gage had completely recovered - he could walk, speak, and demonstrate normal awareness of his surroundings. But the character of the man did not survive the tamping rod’s journey through his brain. In place of the diligent, dependable worker stood a foul-mouthed and ill-mannered liar given to extravagant schemes that were never followed through. “Gage,” said his friends, “was no longer Gage.”

Questions

• How did Phineas survive this penetrating brain injury?
• For how much longer did he live?

A dentist found the source of the toothache Patrick Lawler was complaining about on the roof of his mouth: a four-inch nail the construction worker had unknowingly embedded in his skull six days earlier.
A teenager in India has miraculously survived being skewered through the head by a metal pole in a bus crash. November, 2007

Can We Improve Student Achievement?

- We can!
- To do this, we must increase precision teaching (Breakthrough - Fullan, Hill, & Crevola, 2006).
- Precision requires access to assessment information, consistent instructional routines, and an understanding of the role language plays in learning.

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