Modeling the Learning Process

4 Basic Functions the Brain Uses for Learning

- Getting Information
- Making Meaning of Information
- Creating New Ideas
- Acting on Those Ideas
Learner *Begins* as

**Receiver** of Knowledge
Gathering
Information Enters through Senses

• Can you remember four things that influence this gathering?

  • Interest
  • Intent
  • Basic Background (prior knowledge)
  • Understanding
Gathering takes place in the sensory cortex
Setting Goals

Gathering

• You discovered:
  • Information about setting goals
    - Why set goals
    - Elements of a useful goal
    - Guidelines for setting goals
Analyzing to Make Meaning

REFLECTION

• Try to make personal
• Try to determine connection to past experiences
• Try to discover relevance and usefulness
• Try to discover what it's like that we already know.
Analyzing takes place in the Back Integrative cortex
Goal Setting

Analyzing

• You analyzed areas of your life
• You tried to determine what was really important for you to do.
Creating
Convert comprehension to

- Ideas
- Hypothesis
- Plans
Goal Setting
Creating

• You to determine what you must do to reach your destination.
Creating Takes Place in the front integrative cortex
• Writing
• Speaking
• Drawing

• Can you think of other ways?
Acting Takes Place in the Motor Cortex
Goal Setting

Acting

• Wrote useful goals for several areas in your life
• You created a plan by breaking large goals into smaller ones.
• You took the first steps in achieving your goals.
Learner becomes

Producer of Knowledge