CHAPTER

5

Learning Principles
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
You discovered:

- Information about ten learning principles
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
Learning Principles
Analyzing

• You made sure you understood each principle
• You could identify which principles is being described.
Creating
Convert comprehension to

• Ideas
• Hypothesis
• Plans
Learning Principles
Creating

• You created a plan for using the learning principles
• You predicted which combination of principles might work for a particular learning task.
Creating Takes Place in the front integrative cortex
Acting Testing Ideas

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

• You studied for tests using the principles
• You scheduled your study time using the principles
• You took notes using the principles
Learner becomes **Producer** of Knowledge