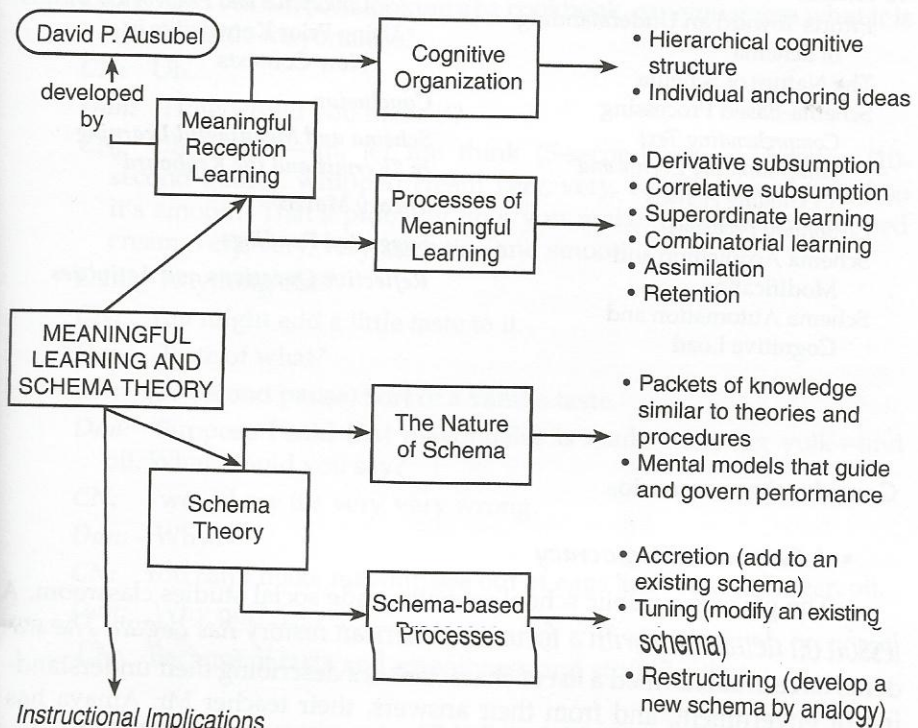


4

Meaningful Learning and Schema Theory



Instructional Implications

1. Activate prior knowledge using advance organizers and schema signals. Manage cognitive load.
2. Make instructional materials meaningful with comparative organizers and elaboration.
3. Use thought-demanding activities to promote skillful use of mental models.
4. Provide new contexts and examples to apply prior knowledge.