

Diverent Thinking

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Divergent Thinking Tests...

- *NOT* measures of “creativity”
- Most commonly used measure
- Estimates of the potential for creative thinking (problem finding & problem solving)
- Often misunderstood

Most common measure

- Torrance
- Guilford
- Wallach
- Newest
- Realistic
- Problem Generation

Open ended, ill defined

- Uses, Similarities...
- Problems at work, school...
- Realistic situations, SWOT

- Fluency, originality, flexibility with ideas



Methodological Innovations

- Ideational Pools
- Instructions
- Stimuli (e.g., realistic)
- Scoring
- Analyses

Generality

- Entrepreneurs
- Children
- Adults
- Scientific creative potential, etc.
- Cultures

Cross cultural studies

- USSR, USA, Israel (dogmatism), Iran, China (Hong Kong) (collectivism),
- Differences in general values & task perception (knowledge, test-wiseness)
- Some studies find no differences
- ***Hypothesis***: ideation is universal contribution to creative potential, if values & meta-cognitive influences controlled

Empirical support

- Convergence
 - Fourth grade slump with conventionality in art, language, morals, games, peers,...
- Validity
 - .50 to .70
- Discriminant validity
 - Not IQ, general ability, GPA

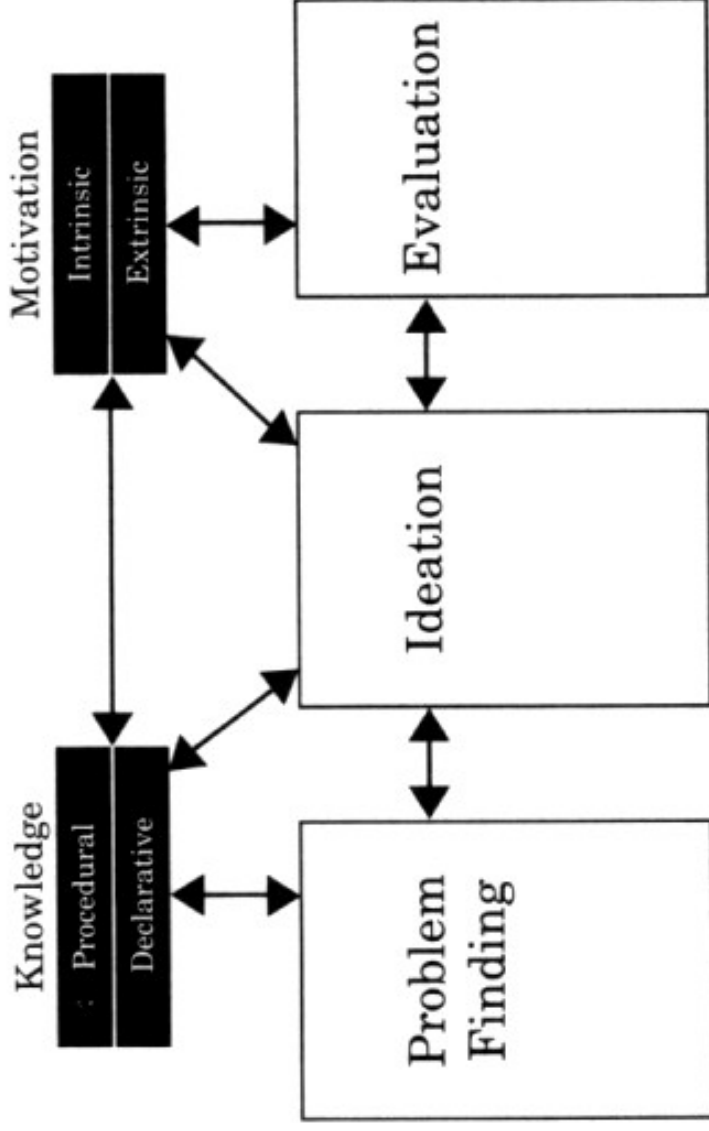


Fig. 1. Two-tier model of creative thinking. The three boxes on the primary tier each represent sets of skills. Problem finding represents problem identification, problem definition, and so on. Ideation represents ideational fluency, originality, and flexibility. Evaluation represents valuation and critical evaluation. Additional components and details are given in the text.

Two Perspectives on DT

- ***Inside View***, nuts and bolts, fine details
 - (e.g., reliability of partial correlations)

- ***Outside view***, context
 - (one source of information about potential and ideas, interaction with knowledge, personality, motivation)

Recommendations

- Estimate of potential
- Ideation
- Interaction with meta-cognition & personality for predictions
- Ignore older research
- Uses as battery of measures