

Problem Finding and Creativity

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ABSTRACT

The previous empirical research suggests that problem finding is more important than problem solving in the creative process. Problem finding is increasingly recognized in theories of creativity. In spite of the importance of problem finding, there is little research to explain problem finding in Korea. This article reviews the research about problem finding and examines the nature of problem finding, the type of problems, the relation of problem finding and problem solving, the relation of problem finding and creativity, and the serendipity. Finally, theoretical and educational implications are discussed.

Keywords: Problem Finding, Problem Solving, Creativity

가 가
가 .
가 가
, , , 가 ,
가
Einstein Infeld(Dillon, 1982)
“
, , 가
, 가
”

† 1

: 2005 10 31 ; : 2006 4 17

가

(, 2003; , 2001).

(Runco & Dow,

1999).

Csikszentmihalyi

Getzels(1970)

90

1.

가

가

가 (Jay & Perkins, 1997).

(Duddek & Cote, 1994; Hoover & Feldhusen, 1994; Jay & Perkins, 1997; Runco & Chand, 1994; Runco & Dow, 1999; Runco & Nemiro, 1994; Runco & Okuda, 1988; Starko, 1993; Starko, 1999; Treffinger, Isaksen & Dorval, 1994; Wakefield, 2003)

(1975)

(obstacle)

(challenge)

“OO

가

discovery), (problem expression),
(problem posing), (problem definition),
(problem identification)

가

1997) Wertheimer(1945;Jay & Perkins, Starko(1999)
“ , “

Treffinger, Isaksen Dorval(1994) (solution)

(needs) 가

가 가 가 가 가

(, 2003).

2.

가 (a) Jay Perkins(1997) Csikszentmihalyi Getzels(1970)
(b) (presented problem)
(c) (discovered problem)
(d) Getzels 가
(presented problem situation) 가
(discovered problem situation)
3가
(Starko, 1999).
가

Runco(1994)

(problem construction), (problem 가

가 . 가 가 (potential problem)

가 가 , 가 가 ,

가 . , 가 가 ,

, “ 가 가 가

?” , “ 가 가

” , ,

가 가 가

가 가 ‘ 가 , ,

(presented problem) , ,

가 . ,

(discovered problem)

(created problem) (Jay & 가 , .

Perkins, 1997).

Dillon(1982) 가 8m . 가

; (existent), ,

(emergent), (potential) , ,

(existent problem) . ,

30 가

(emergent problem) , 가

가 ‘ 가

가 , ‘ 가 ,

” “ 가 , “ 가 .

(CPS) “ ” 가 ‘ , ,

“ ” ,

emergent problem),
가 가 ,
가 ,
가 (created problem,
potential problem)
가 가
III.
1.
가 가
가 가
가 4
6
Dillon Getzels (solutions) 가
Dewey
Wallas 4
Guilford
SI , Osborn-
Parnes CPS (Creative Problem Solving;
CPS) , , , Tre-
ffinger, Isaksen, Dorval(1994)
(Creative Learning Model)
Osborn-
Parnes CPS
(discovered problem, , Treffinger

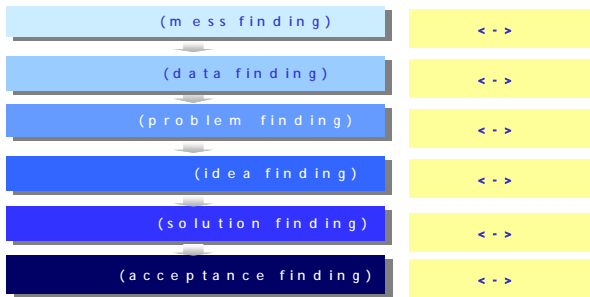
< 1> Getzels Dillon

	Getzels(1982)	Dillon(1982)
1	(presented problem)	(existent problem)
2	(discovered problem*)	(emergent problem*)
3	(created problem*)	(potential problem*)

*

sadur (CLM) Ba- 2 ,
 (CCPSP)
 . (< 2>)
 가 가 (Runco & Dow, 1999).

Osborn-Parnes
 (CPS) ([1]), CPS
 (CPS 1,2,3),
 (CPS 4), (CPS 5, 6) 3
 Treffinger 가



Basadur(1994) CPS 6 , (CPS
 1,2,3), (CPS 4), (CPS
 5,6) 3
 가
 가

< 1> Osborn-Parnes
 (CPS)

< 2>

	Dewey		Wallas		Osborn-Parnes CPS		Isaksen Treffinger CLM		Basadur		Runco Dow		
	1	*	1	*	1	*	1	*	1	*	1	*	
	2		2		2	*	1	*	1	*	<-> 가	1	*
	3	가	3		3	*							
	4	가	4		4		2		2		<-> 가	2	
	5				5		3		3		<-> 가	3	가
					6								

*

가

(Treffinger et al, 1994), 가

(Basadur, 1994; Runco & Dow, 1999), 가, (Runco & Dow(1999), 가

Wallas , , , 가 , (, ,) ([3]).

Basadur , Runco Dow

가 Kris Kubie

가

가

?

가 (transition)

가

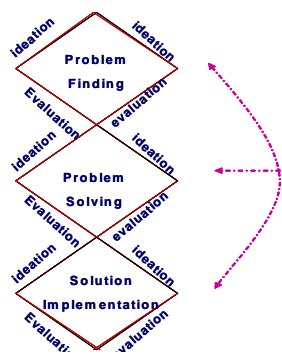
Basadur(1994)

가

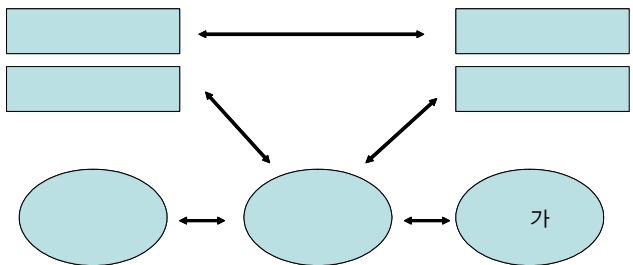
가 (Moore & Murdock, 1991).

(ideation- evaluation) ([2]

가 (Runco, 1994; Runco & Chand, 1994; Runco & Dow,



< 2> Basadur (CCPSP)



[3] Runco Dow

1999).

Subotnik Steiner(1994)

가 .

2.

. 6

Csikszentmihalyi Getzels(1970)

6

31

가

가

7 , 18

가

가

(Jay & Perkins, 1997).

Csikszentmihalyi Getzels

Dudek Cote(1994)

4P (Rodes,

1961) ,

(Person),

(Product),

(Process),

(Press)

. 4P

Wallas 4

?

, Mansfield Buss

(1981;

, 1993)

. Wakefield(1989)

2

3

. 1

, 2

가

< 3> Wakefield

2

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		,

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, serendipity
 (1974; Robinson & Stern, 1997;)
 , ' ,'
 , ' ,'
 , ' ,'
 가 가
 (가).
 가 .
 Wakefield .
 Wakefield .
 가
 가 , 가
 (Robinson & Stern, 1997. p. 303).

3. (serendipity)

Robinson Stern(1997; , 1999)

가

가

가

가 가

(serendipity)

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