

|     |   |   |           |           |     |
|-----|---|---|-----------|-----------|-----|
|     | . | : |           | .( ) .( ) | -   |
| .   | : |   | .( ) .( ) | .( )      | -   |
|     |   | : |           | .( ) .( ) | -   |
|     |   |   | .         | :         |     |
| ( ) |   | : |           | .( )      | -   |
|     | . | : |           | :         |     |
|     |   |   |           | .( ) .( ) | -   |
|     |   |   | .         |           |     |
| .   | : | : |           | .( ) .    | -   |
|     |   | : |           | .( ) .( ) | -   |
| .   |   | : |           | :         | ( ) |
|     |   |   |           | .( ) .( ) | -   |
|     |   |   |           | .( )      |     |
|     |   |   |           | .( ) .( ) | -   |
|     |   |   | .         |           |     |
|     | : |   |           | .( ) .( ) | -   |
| .   | : | : |           | ( )       |     |
|     |   |   |           | .( ) .( ) | -   |
|     | . |   |           |           |     |
|     |   |   |           | .( )      | -   |
|     |   |   | .         |           |     |
|     |   |   | .         |           | -   |
| ( ) | : | : |           | .( ) .    |     |
| .   | : |   |           |           |     |

- Abd El Hamid. (2005). **Systems and creative thinking**, Pathways to Higher Education Project. Center for Advancement of Postgraduate Studies and Research in Engineering Sciences, Faculty of Engineering - Cairo University.
  - Amer (Ayman), (2005), **Analytical thinking**, Pathways to Higher Education Project. Center for Advancement of Postgraduate Studies and Research in Engineering Sciences, Faculty of Engineering - Cairo University (CAPSCU).
  - Bartlett G.,(2001). Systematic thinking, **The interactional conference of thinking**. Betsinger, A., Cross, J., DeFiore, (1994), **Problem solving and metacognition Perceptual-and-Motor-Skills**, Vol. 78, (3,pt 2) pp 1072- 1074.
  - Chen, Liu,(1996),**The strategy training of primary school pupils"formation of conjunctive concept and its transferring**, Acta psychological sinica, Vol. 28, ( 4). pp 367- 374.
  - Cheng, (1999), **Metacognition Training in physics problem solving**, **Psychological science china**, Vol. 22, No. 4. pp 365- 366.
  - Clement, D., (1986 a), Logo and cognition: **A theoretical foundation. computers in human behavior**,Vol. 2, (2). pp 95- 110.
  - Clement, D., (1986 b), Effect of logo and CAI environments on cognition and creativity. computers in human behavior,Vol. 2, (2). pp 95- 110.
  - Coletta,B. ,Buyer,L., Dominowsky,R., and Rellinger,E.(1995), Metacognition and problem solving: a process-oriented approach, **Journal of experimental psychology** , learning, memory,and cognition , Vol. 21, No. 1. pp 205- 223.
  - Desimone, R., Werner, J, Harris, D.(2002). **Human Resource Development. Fort Worth Texas**: Harcourt College Publishers, P.655, glossary.
  - Despete, Anmemie; Royers, Herbert; Buyse,-Ann.(2001). Metacognition and metamatical problem solving in Grade 3.**J. of learning Disabilities**. Sep-Oct; Vol 34 (5): 435-449.
  - Feldhusen, j., (1995), Creativity:A knoledge base Metacognition skills ,and personality factors, **Journal of Creative Behavior**, Vol 29, No. 4. pp 255- 268.
  - Feldhusen ,J., & Goh,B., (1995), **Assessing and accessing creativity: An integrative review of they research**, and development. Creative research Journal, v 8(3) 231-247.
  - Flavell, J.H. (1979). Metacognition and cognitive monitoring: A new area of cognitivedevelopmental enquiry. **American Psychologist**, 34, 906-911. Guilford,1955.
  - Hacker, D., J., (1999), **Metacognition: Definition and emperical foundation**, (Internet: under review).
  - Hang,(1999) , **The relationship between well-structured and ill-structured problem solving in multimedia simulation**. Diss., section (A), Vol. 59(8-A): 2850.
  - Hayduk, Leslie A. (1991). Should model modifications be oriented toward improving data fit or encouraging ceative and analytical thinking?. **Multivariate Behavioral Research**. Vol 25 (2) Apr 1990, 193-196.
  - Isaksen,. S. G; Dorval, R. B.; and Treffinger, D.J. (1994). Creative approaches to problem soling. N.Y. Buffalo, Bearly limited.
  - Reber, A, (1985). Dictionary of Psychology. The penguin book.
-

- 
- Istvan,Z., (2001), Afeladatmegoldast segito metakognitiv strategiak.//Problem solving:The fostering effect of meta-cognitive strategies. **Pszichologia: Az-MTA Pszichologiai intezetenek folyoirata**. 2001, vol 21 (1): 37-61.
  - Jausovec, N., & Bakracevic, k., (1995), What can heart rate tell us about the creative process? *Creative research Journal*, vol 8(1) 11-24.
  - Jausovec, N., (1994 b) ,Can giftedness be taught?, Report review,Vol 16(3) 210-214.
  - Jausovec, N.,(1994 a), Metacognition in creative problem solving , in: Runco (ed) ,Problem finding , **problem solving and creativity**. pp 77-95.
  - Jausovec, N.,(1994 a), Metacognition in creative problem solving , in: Runco (ed) ,Problem finding , **problem solving and creativity**. pp 77-95.
  - Kirton, M.J. (1976) Adaptors and innovators: A description and measures. **Journal of applied psychology**, 622-629.
  - Kirton, (1987), Adaptors and innovators: cognitive style and personality. in: Isaksen, S., G., (ED.), *Frontiers of creativity research*,N Y. Buffalo ,Bearly limited.
  - Kramarski, B., Mevarech,Z.(1997), *British Journal of Educational Psychology* , Dec Vol 67(4) 425-445.
  - Lawson, M. J., (1984), Being excutive about metacognition, (in): J. R. Kirby, *Cognitive strategies and educational performance*. Orlando: Academic press, inc.
  - Leaw, (2001), attention, awaareness, and foreign language behavior, *language learning*, 2001, vol 51 (suppl 1): 113-155.
  - Masui, -Chris; De-Corte.( 1999). Enhancing learning and problem solving skills: Orienting and self - judging, two powerful and trainable learning tools. *learning and instruction*.Dec;Vol 9 (6): 517- 542.
  - Mevarech,- Zemira -R.(1999). Effects of metacognitive training embedded in cooperative settings on mathematical problem solving. *J. of Educational Research*. Mar -Apr; Vol 92(4): 195-205.
  - Neto, A., & Valente, M., (2001), Disonancias pedagogicas en la resolucion de fisica: Una propuesta para su superacion de raiz Vygotskiana. / pedagogical dissonances in physics problem solving: A proposal for overcoming based on Vygotskian. *Ensenaza de las ciencias*. vol 19 (1): 21-30.
  - Onghai, (2000), The use of metacognition to increase the attention, problem solving skills, and learning performance of school age children with attention deficit disorder. *Diss., section (A)*, Vol. 60(12-A): 4320.
  - Osborn, Jason W. (1999a) ,Assessing Metacognition in the classroom: The assessment of cognition monitoring effectiveness, Time\@" MMMM d. yyyy16 october 1999" (Internet: under review).
  - Passolunghi, M., Lonciari,I., Cornoldi,C. ,(1996), Planning, comprehension , metacognition abilities and arithmetical word problems. *Eta evolutiva*. June no., 54 36-48.
  - Patrick, J.,(1992), *Training research and practice* , london , Academic press.
  - Pesut, D, J.,(1990), Creative Thinking as a self- regulatory metacognition process- A model for education,training and further research , *Journal of Creative Behavior*, Vol.24 , pp 105-110.
  - Pizetacznik, Gierowska, Maria.(1986). The role of language in the creativity of preschool children.*psychologia Wychowawcza*; Vol 29(1) 2-19.
  - Soleman (Shaker abd-el hamed) (2005), *Systems and Creative Thinking, Pathways to Higher Education Project*. Center for Advancement of Postgraduate Studies and Research in Engineering Sciences, Faculty of Engineering, Cairo university (CAPSCU).
  - Standfast logic Ltd, (2001), *Analytical thinking*, ELECTRONIC DICTIONARY.
  - Sternberg R.,(1997), *Thinking styles*, New York: Cambridge university press.
-

- Sternberg, Robert.J. & OhsHara Linda A. (1999). Creativity and Intelligence. in R.J. Sternberg (Ed.). Handbook of creativity (pp 297- 311).
  - Treffinger, (1995), creativity problem solving: overview and educational implications. special issue: Toward an educational psychology of creativity. Educational psychology review, vol 7 (3): 301-312.
  - Van Gundy A., (1987). Creative problem solving; a guide for trainers and management, New York. Quorum Book.
  - Vauras, M., Kinnunen, R., and Rauhanummi, T., (1999), The role of metacognition in the context of strategy intervention. European Journal of educational psychology of education, vol 14 (4): 489-507.
  - Verdschrift, L., De Corte, E., Lasure, S., Van Vaerenbergh, G., Bogaerts, H., and Ratincks, E., (1998), Tijdschrift voor onderwijsresearch. vol 23 (3): 242-261.
  - Whitebread, David. (1999). Interactions between children's metacognitive abilities, working memory capacity , strategies and performance during problem solving. European-journal-of- psychology - of education. Dec; Vol 14: 489-507.
-