

Home > Journal > Social Sciences & Humanities > PSYCH

[Indexing](#) [View Papers](#) [Aims & Scope](#) [Editorial Board](#) [Guideline](#) [Article Processing Charges](#)

PSYCH > Vol.1 No.5, December 2010

OPEN ACCESS

Children' s Judgments and Feelings about Their Own Drawings

PDF (Size: 272KB) PP. 329-336 DOI : 10.4236/psych.2010.15042

Author(s)

Fotini Bonoti, Panayiota Metallidou

ABSTRACT

The aim of the present study was to investigate possible age differences in drawing performance of preschool and primary school children, as well as in metacognitive experiences that are activated before and after the drawing process. The study is comprised of 222 children of both genders, aged from 4 to 12. They were tested individually in their schools. They were asked to produce four drawings, which vary on their level of complexity, and to rate before each drawing on a four-point scale the frequency of drawing similar themes and their feeling of difficulty. After the drawing they were asked to estimate again the difficulty they felt as well as the feeling of liking the drawing they produced and the correctness of the drawing. The results of a series of analyses of variance confirmed the expected improvement of drawing performance with age. There wasn' t found, however, the same developmental course in the case of metacognitive experiences. On the contrary, there was found a significant decrease in the feeling of liking and the estimation of correctness of the drawings, especially after the second grade.

KEYWORDS

Children' s Drawing, Metacognitive Experiences

Cite this paper

Bonoti, F. & Metallidou, P. (2010). Children' s Judgments and Feelings about Their Own Drawings. *Psychology*, 1, 329-336. doi: 10.4236/psych.2010.15042.

References

- [1] Akama, K. (2006). Relations among self-efficacy, goal setting, and me- tacognitive experience in problem solving. *Psychological Reports*, 98, 895-907.
- [2] Akama, K. (2007). Previous task experience in metacognitive experience. *Psychological Reports*, 100, 1083-90.
- [3] Alter, A. L., Oppenheimer, D. M., Epley, N., & Eyre, R. N. (2007). Overcoming intuition: Metacognitive difficulty activates analytic reasoning. *Journal of Experimental Psychology: General*, 136, 569-576.
- [4] Anning, A. (2002). Conversations around young children' s drawing: The impact of the beliefs of significant others at home and school. *International Journal of Art and Design Education*, 21, 197-208.
- [5] Arnheim, R. (1969). *Visual thinking*. London: Faber & Faber.
- [6] Asghar, I-N. (1987). Cognitive and affective causes of interest and liking. *Journal of Educational Psychology*, 79, 120-130.
- [7] Bonoti, F. (2003). Factors facilitating children' s drawing: The paradigm of partial object occlusion [in Greek]. *Psychology: The Journal of Hellenic Psychological Society*, 10, 119-135.
- [8] Brooks, M. R., Glenn, S. M., & Crozier, W. R. (1988). Pre-school children's preference for drawings of a similar complexity to their own. *British Journal of Educational Psychology*, 57, 165-171.
- [9] Cox. M. V. (1992). *Children' s drawings*. London: Penguin.

- [Open Special Issues](#)
- [Published Special Issues](#)
- [Special Issues Guideline](#)

[PSYCH Subscription](#)

[Most popular papers in PSYCH](#)

[About PSYCH News](#)

[Frequently Asked Questions](#)

[Recommend to Peers](#)

[Recommend to Library](#)

[Contact Us](#)

Downloads: 272,016

Visits: 600,431

[Sponsors, Associates, and Links >>](#)

- [10] Cox, M. V., & Hodson, J. (2000). Children's diachronic thinking in relation to developmental changes in their drawings of the human figure. *British Journal of Developmental Psychology*, 18, 13-24.
- [11] Dennis, S. (1992). Stage and structure in the development of children's spatial representations. In R. Case (Ed.), *The mind's staircase: Exploring the conceptual underpinnings of children's thought and knowledge* (pp. 229-245). Hillsdale, NJ: Erlbaum.
- [12] Dermitzaki, I., & Efklides, A. (2001). Age and gender effects on students' evaluations regarding the self and task-related experiences in mathematics. In S. Volet & S. Jarvela (Eds.), *Motivation in learning contexts: Theoretical advances and methodological implications* (pp. 271-293). Amsterdam: Elsevier.
- [13] DiLeo, J. H. (1983). *Interpreting children's drawings*. New York: Brunner/Mazel.
- [14] Eccles, J., Wigfield, A., Harold, R., & Blumenfeld, P. (1993). Age and gender differences in children's self and task perceptions during elementary school. *Child Development*, 64, 830-847.
- [15] Efklides, A. (1997). Brain and mind: The case of subjective experience. *Psychology: The Journal of the Hellenic Psychological Society*, 4, 106-117.
- [16] Efklides, A. (2001). Metacognitive experiences in problem solving: Metacognition, Motivation, and Self-Regulation. In A. Efklides, J. Kuhl, & R. M. Sorrentino (Eds.), *Trends and prospects in motivation research* (pp. 297-323). Dordrecht, The Netherlands: Kluwer.
- [17] Efklides, A. (2002a). Feelings as subjective evaluations of cognitive processing: How reliable they are? *Psychology: The Journal of the Hellenic Psychological Society*, 9, 163-184.
- [18] Efklides, A. (2002b). The systematic nature of metacognitive experiences: Feelings, judgments, and their interrelations. In M. Izaute, P. Chambres, & P-J. Marescaux (Eds.), *Metacognition: Process, function and us* (pp. 19-34). Dordrecht, The Netherlands: Kluwer.
- [19] Efklides, A. (2006). Metacognition and affect: What can metacognitive experiences tell us about the learning process. *Educational Research Review*, 1, 3-14.
- [20] Efklides, A., & Dina, F. (2004). Feedback from one's self and others: Their effect on affect. *Hellenic Journal of Psychology*, 1, 179-202.
- [21] Efklides, A., Papadaki, M., Papantoniou, G., & Kiosseoglou, G. (1997). The effects of cognitive ability and affect on school mathematics performance and feelings of difficulty. *American Journal of Psychology*, 110, 225-258.
- [22] Efklides, A., Papadaki, M., Papantoniou, G., & Kiosseoglou, G. (1998). Individual differences in feelings of difficulty: The case of school mathematics. *European Journal of Psychology of Education*, XIII, 207-226.
- [23] Efklides, A., & Petkaki, C. (2005). Effects of mood on students' metacognitive experiences. *Learning and Instruction*, 15, 415-431.
- [24] Efklides, A., Samara, A., & Petropoulou, M. (1999). Feeling of difficulty: An aspect of monitoring that influences control. *European Journal of Psychology of Education*, 14, 461-476.
- [25] Efklides, A., & Vauras, M. (Guest eds.) (1999). Metacognitive experiences and their role in cognition (Special issue). *European Journal of Psychology of Education*, XIV (4).
- [26] Flavell, J. H. (1979). Metacognition and cognitive monitoring: A new area of cognitive developmental inquiry. *American Psychologist*, 34, 906-911.
- [27] Freeman, N. H. (1980). *Strategies of representation in young children*. London: Academic Press.
- [28] Gardner, H. (1980). *Artful scribbles: The significance of children's drawings*. New York: Basic Books.
- [29] Golomb, C. (1992). *The child's creation of the pictorial world*. Berkeley, CA: University of California Press.
- [30] Golomb, C., & Helmund, J. (1987). A study of young children's aesthetic sensitivity to drawing and painting. Paper presented at the symposium on Facets of Artistic Development, Biennial Meeting of the Society for Research in Child Development, Baltimore.
- [31] Gonida, E., Efklides, A., & Kiosseoglou, G. (2003). Feelings of difficulty and confidence during preschool and early school age: Their relations with performance and image of cognitive self [in Greek]. *Psychology: The Journal of the Hellenic Psychological Society*, 10, 515-537.

- [32] Gonida, E., Kiosseoglou, G., & Psillos, D. (2003). Metacognitive experiences in the domain of physics: Developmental and educational aspects. In D. Psillos, P. Kariotoglou, V. Tselfes, E. Hatzikraniotis, G. Fassoulopoulos, & M. Kallery (Eds.), *Science education research in the knowledge-based society* (pp. 107-115). Dordrecht, The Netherlands: Kluwer.
- [33] Goodnow, J. J. (1977). *Children's drawings*. London: Fontana.
- [34] Goodnow, J. J., Wilkins, P., & Dawes, L. (1986). Acquiring cultural forms: Cognitive aspects of socialization illustrated by children's drawings and judgments of drawings. *International Journal of Behavioral Development*, 9, 485-505.
- [35] Green, S. B., Salkind, N. J., & Akey, T. M. (2000). *Using SPSS for Windows: Analyzing and Understanding Data* (2nd ed.). Upper Saddle River: Prentice-Hall.
- [36] Johnson, N. E., Saccuzzo, D. P., & Larson, G. E. (1995). Self-reported effort versus actual performance in information processing paradigms. *The Journal of General Psychology*, 122, 195-210.
- [37] Jolley, R. P. (2010). *Children and pictures: Drawing and understanding*. West Sussex, U.K.: Wiley – Blackwell.
- [38] Jolley, R. P., Knox, E. L., & Foster, S. G. (2000). The relationship between children's production and comprehension of realism in drawing. *British Journal of Developmental Psychology*, 18, 557-582.
- [39] Hart, L. M., & Goldin-Meadow, S. (1984). The child as a nonegocentric art critic. *Child Development*, 55, 2122-2129.
- [40] Hurlock, E. B., & Thomson, J. L. (1934). Children's drawings: An experimental study of perception. *Child Development*, 5, 127-138.
- [41] Itskowitz, R., Glaubman, H., & Hoffman, M. (1988). The impact of age and artistic inclination on the use of articulation and line quality in similarity and preference judgments. *Journal of Experimental Child Psychology*, 46, 21-34.
- [42] Karmiloff-Smith, A. (1990). Constraints on representational change: Evidence from children's drawing. *Cognition*, 34, 57-83.
- [43] Kellogg, R. (1970). *Analyzing children's art*. Palo Alto, CA: Mayfield Publishing.
- [44] Koriat, A., & Levy-Sadot, R. (1999). Processes underlying metacognitive judgements. Information-based and experience-based monitoring of one's own knowledge. In S. Chaiken & Y. Trope (Eds.), *Dual Process Theories in Social Psychology* (pp. 483-502). New York: Guilford.
- [45] Luquet, G. H. (1913). *Les dessins d'un enfant*. Paris: Alcan.
- [46] Mann, B.S., & Lehman, E.B. (1976). Transparencies in children's human figure drawings: A developmental approach. *Studies in Art Education*, 18, 41-48.
- [47] Metallidou, P. (2003). Motives, language performance, and metacognitive experiences in a text-comprehension task [in Greek]. *Psychology: The Journal of the Hellenic Psychological Society*, 10, 538-555.
- [48] Metallidou, P., & Efklides, A. (1998). Affective, cognitive, and metamnemonic effects on correctness estimation and feeling of satisfaction during problem solving [in Greek]. *Psychology: The Journal of the Hellenic Psychological Society*, 5, 53-70.
- [49] Moore, V. (1986). The relationship between children's drawings and preferences for depictions of a familiar object. *Journal of Experimental Child Psychology*, 42, 187-198.
- [50] Morra, S. (1995). A neo-Piagetian approach to children's drawings. In C. Lange-Kuttner & G. V. Thomas (Eds.), *Drawing and looking: Theoretical approaches to pictorial representation in children* (pp.93-106). Hemel Hemstead, UK: Harvester Wheatsheaf.
- [51] Nelson, T. O. (1993). Judgments of learning and the allocation of study time. *Journal of Experimental Psychology: General*, 122, 269-273.
- [52] Newman, R. S., & Wick, P. L. (1987). Effect of age, skill, and performance feedback on children's adjustment of confidence. *Journal of Educational Psychology*, 79, 115-119.
- [53] Phillips, D. A., & Zimmerman, M. (1990). The developmental course of perceived competence and incompetence among competent children. In R. Sternberg & J. Kolligian, (Eds.), *Competence*

considered (pp. 41-66). New Haven and London: Yale University Press.

[54] Piaget, J., & Inhelder, B. (1956). *The child's conception of space*. London: Routledge & Kegan Paul.