

A Study on the Relationships between Parenting Styles and Computer Attitude of Junior School Students - Using Peer Effect

黃樹生、李德治

E-mail: 9805422@mail.dyu.edu.tw

ABSTRACT

The purpose of this study was to examine the relationship between parenting styles, peer effect and computer attitude of junior school students. The tools used in this research are Computer Attitude Questionnaire, Parenting Styles Questionnaire, Peer Effect Questionnaire, and Basic Data. The subjects were 847 junior school students living around Taipei, Taichung, Changhua, and Tainan area. The data collected were analyzed by independent sample t-test, one-way ANOVA and general linear model. The conclusion acquired from this research has been indicated in the following: (1)The result obtained from the five-points scale " Computer Attitude Questionnaire " indicates that junior school student ' s attitude of using computers is fine. (2)The junior school student ' s attitude of using computers is a little varied in genders. (3)The junior school student ' s attitude of using computers is a little varied in grades, and there are significant differences in the performance of high-grade. (4)The junior school student ' s attitude of using computers is a little varied in parenting styles. (5)The influence of peers has a few interference effects among the attitude of using computers and parenting styles. The influence of friendship has interference effects among the two anxiety and confidence of using computers and parenting styles. According to those conclusions the author propose some suggestions to educational practice and further studies as well.

Keywords : computer attitude、 parenting styles、 peer effect

Table of Contents

中文摘要	iii
英文摘要	iv
誌謝辭	v
內容目錄	vi
表目錄	viii
圖目錄	ix
第一章 緒論	1
第一節 研究背景與動機	1
第二節 研究目的	4
第三節 研究問題	5
第四節 研究限制	5
第五節 名詞釋義	6
第二章 文獻探討	8
第一節 電腦態度理論與相關研究	8
第二節 父母管教方式的理論與相關研究	17
第三節 同儕關係的理論與相關研究	29
第三章 研究方法	35
第一節 研究架構	35
第二節 研究假設	36
第三節 研究對象與抽樣方法	36
第四節 研究工具	37
第五節 資料處理與分析	47
第四章 研究結果分析	49
第一節 資料回收	49
第二節 樣本描述性統計分析	49
第三節 假設檢定	52
第五章 結論與建議	60

第一節	研究結果摘要	60
第二節	結論	62
第三節	研究建議	64
參考文獻		66
附錄A	預試問卷	87
附錄B	正式問卷	91

REFERENCES

- 一、中文部分 Golemen, D. (1996), EQ(張美惠譯), 台北:時報文化, (原文於1995年出版)。Shaffer D. R. (1995), 社會與人格發展(?翠湄譯), 台?:心?出版社, 35-40, (原文於1994出版)。丁慕玉(2009), 電腦合作學習對學微積分的影響, 國立虎尾科技大學學報, 28(1), 27-39。王仁弘(2004), 國小中高年級學童人際溝通能力與生活適應之相關研究, 台北市立師範學院社會科教育研究所未出版之碩士論文, 台北市。王文秀譯(1995), 人際行為心理學, 台北:巨流出版社。王文科(1996), 皮亞傑式兒童心理學與應用, 台北:心理學。王以仁、吳清山、劉定霖(1986), 國中學生電腦態度及其相關因素之研究, 教育與心理研究, 9, 177-190。王珮玲(1992), 兒童氣質、父母教養方式與兒童社會能力關係之研究, 國立政治大學教育研究所未出版之博士?文, 台北市。王順利(1992), 國小學生學習成就與電腦態度之相關研究, 國教輔導, 32(2), 39-46。王宏德(1993), 師範大學學生電腦焦慮之研究, 私立淡江大學教育資料科學研究所未出版之碩士論文, 台北縣。王勝賢(1984), 國民中小學學生越區就讀的效果及其相關問題之探討, 國立台灣師範大學輔導研究所未出版之碩士?文, 台北市。王鍾和(1993), 家庭結構、父母管教方式與子女行為表現, 國立政治大學教育研究所未出版之博士?文, 台北市。石培欣(2000), 國民中學學生家庭環境、同儕關係與學業成就之相關研究, 國立高雄師範大學教育研究所未出版之碩士?文, 高雄市。朱麗麗、陳明月(1992), 影響國小教師學習電腦的因素, 收於中國視聽教育學會編, 國際視聽教育學術研討會論文集(pp. 91-111), 台北:國立教育資料館。余民寧(1993), 國小學生學習電腦的態度及其相關因素之研究, 國立政治大學學報, 67, 75-106。吳永裕(1996), 單親兒童之親子關係、行為困擾與學習適應研究, 國立臺北師範學院民教育研究所未出版之碩士?文, 台北市。吳明隆(1993), 國民小學學生電腦態度及其相關之研究, 國立高雄師範大學教育研究所未出版之碩士?文, 高雄市。吳明隆(1997), 國小學生數學學習行為與其電腦焦慮、電腦態度關係之研究, 國立高雄師範大學教育研究所未出版之博士論文, 高雄市。吳金香(1978), 父母教養方式與國中學生自我觀念的關係, 國立臺灣師範大學教育研究所未出版之碩士?文, 台北市。吳秋雯(1996), 手足變項、父母教養態度與子女手足攻擊行為之相關研究, 私立中國文化大學兒童福利研究所未出版之碩士?文, 台北市。吳美玲(2000), 國小學童父母管教方式、教師期望與習得無助感相關之研究, 國立高師師範大學教育研究所未出版之碩士?文。吳美惠(1992), 在職成人的電腦態度、電腦成就及相關因素之研究, 國立台灣師範大學社會教育研究所未出版之碩士?文, 台北市。吳雅雯(2006), 智能障礙學生國小手足親子互動關係、手足關係、社會支持與同儕互動關係之研究, 國立臺東大學教育研究所未出版之碩士?文, 台東市。李依純(2005), 低收入戶家庭國小學童同儕關係之影響因素研究, 私立靜宜大學青少年兒童福利研究所未出版之碩士?文, 台中縣。李杰禧(2002), 藝術教育治療的實施對國小中年級學童自我概念與同儕關係之影響:一位國小導師的教學行動研究, 臺北市立師範學院視覺藝術研究所未出版之碩士?文, 台北市。李國祿(1990), 家庭生活型態、傳播行為、同儕團體與兒童消費行為關係之研究, 私立中國文化大學兒童福利研究所未出版之碩士?文, 台北市。林世欣(2000), 國中學生自我概念與同儕關係之相關研究, 國立屏東師範學院教育心理與輔導研究所未出版之碩士?文, 屏東市。林雯菁(2001), 國小兒童社會計量地位與自評同儕互動關係之研究, 私立靜宜大學青少年兒童福利學系未出版之碩士?文, 台中縣。林傳生(1999), 教育心理學, 台北市:五南書局。林嘉文(2003), 國小學童認知風格與電腦態度隊應用國自筆順網路學習系統學習成就之影響, 國立高雄師範大學工業科技教育研究所未出版之碩士?文, 高雄市。林曉妮(1997), 電腦態度與電腦素養的影響因素探討-小學生的實地實驗研究, 國立中央大學資訊管理研究所未出版之碩士?文, 中壢市。姚秀雲(2003), 高中學生的電腦態度調查分析, 國立高雄師範大學資訊教育研究所未出版之碩士?文, 高雄市。施玉鵬(2002), 出生序、父母管教方式對國小高年級學生自我概念、同儕關係、社會興趣之關係研究, 國立台南師範學院輔導教學研究所未出版之碩士?文, 台南市。施美朱(2000), 國中生電腦學習成就相關因素之研究, 國立台灣師範大學工業科技教育研究所未出版之碩士?文, 台北市。洪莉竹(1996), 當我們同在一起談國小階段兒童的社會?為, 教育資?與研究, 11, 12-13。洪麗瑜(1993), 注意力缺陷及過動學生的人際關係及其相關問題研究, 特殊教育研究學刊, 9, 91-106。范家敏(2005), 高雄縣國小高年級學童電腦遊戲使用行為與電腦態度、電腦自我效能之相關研究, 國立臺東大學教育研究所學校行政班未出版之碩士?文, 台東市。徐西森、?廷嘉、陳仙子、?雅?(2002), 人際關係的??與實務, 台?:心?出版社。翁百安(1998), 環境因素與個人因素對國中生電腦態度與電腦素養之影響, 國立中央大學企業管理研究所未出版之碩士論文, 桃園縣。馬藹屏(1987), 家庭社經地位、父母教養方式與國中學生自我概?、友伴關係之調查研究, 私?中國文化大學未出版之碩士?文, 台?市。張春興(2001), 現代心理學, 臺北:東華書局。張春興、林清山(1998), 張氏心理學辭典, 台北:東華書局。張美麗(2004), 國中學生性別角色、同儕關係與性別教育需求之相關研究, 國立彰化師範大學教育研究所未出版之碩士?文, 彰化市。莊雅茹(1993), 台灣學生電腦焦慮之探討, 教育研究資訊, 1(5), 115-127。許瑞蘭(2002), 國中生依附關係、人際問題解決態度與學校生活適應之相關研究, 國立屏東師範學院教育與心理輔導研究所未出版之碩士論文, 屏東市。郭炎煌、蘇義翔(1991), 台南市國民小學電腦態度及其相關因素之調查研究, 台南師院學生學刊, 11, 179-186。郭淑玲(2004), 台灣現行融合教育國中普通生與身心障礙生同儕關係之探討, 私立輔仁大學生活應用科學系未出版之碩士?文, 台北縣。陳忠傑(2000), 混齡輪班中受歡迎與被拒絕幼兒社會行為及同儕互動之研究, 私立靜宜大學青少年兒童福利學系未出版之碩士?文, 台中縣。陳伶伶(2000), 高雄市高中教師電腦態度之研究, 國立高雄師範大學工業科技教育研究所未出版之碩士論文, 高雄市。陳冠中(2000), 背景變項、父母管教方式、手足關係與高中生寂寞之相關研究, 國立政治大學教育研究所未出版之碩士?文, 台北市。陳建勳(2003), 父母管教方式與國小學童道德判斷及道德行為相關

之研究，國立台東大學教育研究所未出版之碩士論文，台東市。陳銘城(2004)，國小學童的電腦態度及其相關因素之研究 以台中縣國小六年級學生為例，私立東海大學教育研究所未出版之碩士論文，台中市。陳德嫻(2006)，父母管教方式與同儕團體特質對國小高年級學童生活適應之影響，國立高雄師範大學輔導與諮商研究所未出版之碩士論文，高雄市。麥孟生(2000)，個人心理類型、自我效能及態度對電腦學習成效之影響，國立中央大學資訊管理研究所未出版之碩士論文，桃園縣。湯惠誠(1994)，高雄市高中學生電腦態度及其相關因素之研究，國立高雄師範大學工業科技教育研究所未出版之碩士論文，高雄市。程蘊嘉(1994)，性別、學科別對大學新生電腦學習態度之影響，私立淡江大學教育資料科學研究所未出版之碩士論文，台北市。黃玉臻(1997)，國小學童A型行為父母管教方式與生活適應相關之研究，國立高雄師範大學教育研究所未出版之碩士論文，高雄市。黃拓榮(1997)，國中生父母管教方式、自我概念、失敗容忍力與偏差行為關係之研究，國立高雄師範大學教育研究所未出版之碩士論文，高雄市。黃德祥(2000)，青少年的同儕關係與社會比較對人格發展的影響，青少年人格建構研討會論文集，財團法人人格建構工程學研究基金會主辦。楊中任(2006)，國小高年級學童電腦態度與電腦學習成就關係之研究-以中部地區為例，私立大葉大學教育專業發展研究所未出版之碩士論文，彰化縣。楊玉明(1998)，高齡者電腦態度之研究，國立高雄師範大學成人教育研究所未出版之碩士論文，高雄市。楊坤原(1999)，電腦態度的意義與相關變項之探討，科學教育月刊，225，2-15。楊國樞(1986)，家庭因素與子女行為：台灣研究的評析，中華心理學刊，28(1)，7-28。溫世頌(1989)，教育心理學，台北：三民。雷庚玲、曾慧芸(1999)，誰說我不聽話，我聽朋友的話 - 談青少年社會同儕順從行為之發展現象與成因，測驗與輔導，153，3178-3182。鄒佳蕙(2002)，網路同儕互評、楷模學習在小組合作環境下對學習績效與電腦態度影響之探討，國立中央大學資訊管理研究所未出版之碩士論文，桃園縣。劉旨峰、周宜興、林姍如、袁賢明(2001)，科技英文編修課程推行網路同儕互評的實例：學生態度實例分析，發表於全球華人教育資訊科技學術研討會，桃園縣：國立中央大學。劉明松(1998)，家庭結構、父母教養方式與學業成就關係之研究，教育資料文摘，248，123-140。劉明松，張韶霞(2001)，國小學童家庭結構及其父母教養方式與學業成就關係之研究，樹德科技大學學報，3(1)，61-77。?勛純(2002)，友誼關係在人際關係教育上的意義，師友月刊，419，48-51。潘玉鳳(2003)，親子關係團體之父母教養與互動歷程研究，國立成功大學教育研究所未出版之碩士論文，台南市。蔣姿儀(1996)，國民中小學學生電腦態度、電腦素養及其相關因素之研究，國立政治大學教育研究所未出版之碩士論文，台北市。蔡志煌、宜翠映(1995)，台南師院學生電腦態度之探究，台南師院學生學刊，16，64-76。蔡淑娥(1985)，高中生的電腦態度、電腦成就及其相關因素之研究，國立政治大學教育研究所未出版之碩士論文，台北市。賴保禎(1972)，父母管教態度測驗，台北：中國行為科學社。羅佳芬(2002)，國小兒童父母管教方式、自我概念、人際關係與利社會行為之相關研究，國立台南師範學院國民教育研究所未出版之碩士論文，台南市。羅品欣(2004)，國小學童的家庭結構、親子互動關係、情緒智力與同儕互動關係之研究，國立臺灣師範大學教育心理與輔導研究所未出版之碩士論文，台北市。

二、英文部分Aunola, K., Stattin, H., & Nurmi, J. (2000). Parenting styles and adolescent's achievement strategies. *Journal of Adolescence*, 23, 205-222. Baack, S. A., Brown, T. S., & Brown, J. T. (1991). Attitudes toward computers: View of older adults compared with those of young adults. *Journal of Research on Computing in Education*, 23(3), 422-433. Baldwin, A. L., Kalhoun, J., & Breese, F. H. (1945). Patterns of parent behavior. *Psychological Monographs*, 58, (3). Bandura, A. (1971). Analysis of modeling processes. In A. Bandura (Ed.), *Psychological Modeling*. (pp. 78-96), Chicago: Al-dine-Atherton. Baumrind, D. (1974). Current patterns of parental authority. *Developmental Psychology Monograph*, Part 2, 1-103. Becker, W. C. (1964). Consequences of different kinds of parental disciplines. In M. L. Hoffman, & L. W. Hoffman (Eds.), *Review of Child Development Research*, 1. New York: Russell Sage Foundation. Bork, A. (1979). Interactive learning. In R. P. Taylor (Ed.), *The Computer in the School: Tutor, Tool, utee* (pp. 53-66). New York: Teachers College. Boveja, M. E. (1998). Parenting styles and adolescents, learning strategies in the urban community. *Journal of Multicultural Counseling and Development*, 26, 110-119. Bronfenbrenner, J. (1958). Socialization and social class through time and space. New York: Holt. Brown, T. S., Brown, J. T., & Baack, S. A. (1988). A reexamination of the attitudes computer usage scale. *Educational and Psychological Measurement*, 47, 261-269. Busch, T. (1995). Gender differences in self-efficiency and attitudes toward computers. *Journal of Educational Computing Research*, 12(2), 147-158. Campbell, N. J. (1990). Computer anxiety of rural middle and secondary school students. *Journal of Educational Computing Research*, 5(2), 213-220. Cleary, D. J., Ray, G. E., Lobello, S. G., & Zachar, P. (2002). Children's perceptions of close peer relationships: Quality, congruence, and meta-perceptions. *Child Study Journal*, 32(3), 179-192. Collis, B. A. (1985). Psychosocial implications of sex differences in attitudes toward computers: results of a survey, *International Journal of Women's Studies*, 8(3), 207-213. Comber, C., Colley, A., Hargreaves, D. J., & Dom, L. (1997). The effects of age, gender and computer experience upon computer attitude. *Educational Research*, 39(2), 123-133. Dambrot, F. H., Watkins M. A., Silling S. M., Mashall R. S. & Garver, J. A. (1985). Correlates of Sex Difference in Attitudes Toward and Involvement with Computers. *Journal of Vocational Behavior*, 27, 71-86. Darling, N., & Steinberg, L. (1993). Parenting style as context: An integrative model. *Psychological Bulletin*, 113, 487-496. Desjardins, J., Zelenski, J. M., & Coplan, R. J. (2008). An investigation of maternal personality, parenting styles, and subjective well-being. *Personality and Individual Differences*, 44, 587-597. Devlin, S. J. (1992). Sex Differences among Computer Programmers, Computer Application Users and General Computer Users at the Secondary School Level: An Investigation of Sex Role Self-Concept and Attitudes toward Computers. *Dissertation Abstracts International*, 52(7), 2464A. Dusek, J. B. (1996). Adolescent development and behavior. A Simon & Schuster Company. *Educational Research*, 39(2), 123-133. Erickson, T. E. (1987). Sex differences in student attitudes towards computers. Paper presented at the Annual Meeting of American Education Research Association, San Francisco, CA. Fetler, M. (1985). Sex differences on the California statewide assessment of computer literacy. *Sex Roles*, 13(3-4), 181-191. Freud, S. (1933). New introductory lecture in psychoanalysis. New York: Norton. Gesell, A. (1993). Maturation and the patterning of behavior. In C. Murchison (ed.), *A handbook of child psychology*. Worcester, MA: Clark University Press. Grogan, V. C. (1992). Computer attitudes of selected students and educators in relationship to computer access and experience and gender. *Dissertation Abstracts International*, 52(12), 4205A. Hartup, w. w. (1983). Peer relations. In E. M. Hetherington (Ed), *Handbook of child psychology: Socialization, personality and social*

development,4(pp. 103-196). New York: Willey.Hetherington, E. M., & Frankie, G. (1967). Effects of parental dominance, warmth, and conflict on imitation in children. *Journal of personality and social psychology*, 6(2), 119-125.Hignite, M. A., & Echternacht, L. J. (1992). Assessment of the relationships between the computer attitudes and computer literacy levels of prospective educators. *Journal of Research on Computing in Education*, 24(3), 381-391.Hoghugh, M., & Long, N. (Eds.). (2004). *Handbook of parenting*. London: Sage.Hurlock, E. (1978). *Child development*. (5th ed.). New York: McGraw-Hill.Hwang, S. C. (1991). A comparison of the effects on students' attitudes toward computers of a computer programming course versus a computer programming and awareness course. *Dissertation Abstracts International*, 51(8), 2697A.Jones, T., & Clarke, V. A. (1994). A Computer Attitude Scale for Secondary Students. *Computers in Education*, 22(4), 315-318.Kay, R. H. (1993). An Exploration of Theoretical and Practical Foundations for Attitudes Toward Computers: The Computer Attitude Measure(CAM). *Computers in Human Behavior*, 9, 371-386.Kluever, R. C., Lam, C. M., Hoffman, E. R., Green, K. E., & Swearingen, D. L. (1994). The computer attitude scale assessing changes in teachers' attitudes toward computers. *Journal of Educational Computing Research*, 11(3), 251-261.Knezek, G. A., & Miyashita, K. T. (1994). A preliminary study of the computer attitude questionnaire. *Studies on Children and Computers*. Denton, TX: Texas Center for Educational Technology.Ladd, G. W. Kochenderfer, B. J., & Coleman, C. C. (1997). Class-room peer acceptance, friendship, and victimization: Distinct relational systems that contribute uniquely to children's school adjustment. *Child Development*, 68(6), 1181-1197.Lambert, M. E. (1991). Effects of Computer Use during Coursework on Computer Aversion. *Computer in Human Behavior*, 7, 319-331.Lemerise, E. A. (1997). Patterns of peer acceptance, social status, and social reputation in mixed-age preschool and primary classrooms. *Merrill-Palmer Quarterly*, 43(2), 199-218.Levin, T. & Gordon, C. (1989). Effect of Gender and Computer Experience on Attitudes toward Computers. *Journal of Educational Computing Research*, 5(1), 69-88.Lin, L. Z. (1985). The development, validation, and application of a computer anxiety instrument. Unpublished Doctoral Dissertation, Iowa State University.Loyd, B. H. & Gressard, C. (1985). Validation studies of a new computer attitudes scale. *Educational and Psychological Measurement*, 45(4), 903-908.Loyd, B. H., & Gressard, C. P. (1984). The reliability and validity of an instrument for the assessment of computer attitudes. *Educational and Psychological Measurement*, 45(4), 903-908.Maccoby, E. E., & Martin, J. A. (1983). Socialization in the context of the family: Parent-child interaction. In P. H. Mussen & E. M. McClure, L. (1975). Career awareness just comes naturally. *Journal of Career Education*, 1(4), 18-27.McClellan, D. E. & Katz, L. G. (2001). Assessing young children's social competence[Online]. Available: <http://ceep.crc.uiuc.edu/eearchive/digests/2001/mcclel01.pdf> [2009, January 5].McCoy, L. P., & Baker, T. H. (1997). Gender differences in preservice teachers' computer and internet attitudes. In J. Willis, J. D. Price, S. McNeil, B. Robin, & D. A. Willis (Eds.) *Technology and Teacher Education Annual* (pp. 873-876).Mead, D. E. (1976). *Six approaches to child rearing*. Provo, Utah: Brigham Univ.Miller, L. C. (1972). school behavior checklist: An inventory of deviant behavior for elementary school children. *Journal of Consulting and Clinical Psychology*, 38, 134-144.Moe, D. J. (1984). The Effects of Sex, Residence Status, Grade Level, and Usage Level on Computer Equity. Unpublished master's thesis, South Dakota State University, Watertown, S. DMorris, L. W., Davis, M. A., & Hutchings, C. J. (1981). Cognitive and emotional components of anxiety: Literature review and a re-revised worry-emotionality scale. *Journal of Educational Psychology*, 73, 541-555.Newcomb, A. F., Bukowski, W. M., & Pattee, L. (1993). Children's peer relations: A meta-analytic review of popular, rejected, neglected, controversial, and average sociometric status. *Psychological Bulletin*, 113(1), 99-128.Paulson, S. E. (1994). Relations of Parenting Style and Parental Involvement With Ninth-Grade Students' Achievement. *Journal of Early Adolescence*, 14, 250-267.Pelgrum, W. J., & Plomp, T. (1993). Computer in education: some international comparative research perspectives. *Studies in Educational Evaluation*, 19(2), 97-232.Piaget, J. (1952). *The origins of intelligence in children*. New York: International Universities Press.Popovich, P. M., Hyde, K. R., Zakrajsek, T., & Blumer, C. (1987).The development of the attitudes toward computer usage scale. *Educational and Psychological Measurement*, 47, 261-269.Reece, M. J. & Gable, R. K. (1982). The Development and Validation of a Measure of General Attitudes toward Computers. *Educational and Psychological Measurement*, 42, 913-917.Rice, F. P. (1993). Adolescent development, relationships, and culture. Boston: Allyn and Bacon.Rocheleau, B. (1995). Computer use by schoolage children: Trends, patterns and predictors. *Journal of Educational Computing Research*, 12(1), 1-17.Rogers, C. R. (1951). *Client-centered therapy*. Cambridge, Mass. : Houghton Mifflin.Santrock, J. W. (1988). *Psychology: The science of mind and behavior*. Dubuque, Iowa: Wm. C. Brown Publishers.Schaefer, H. R. (1977). Early interactive development, In H. R. Schaefer (Ed.), *Studies in mother-infant interaction*. New York: Academic Press.Schaefer, E. S. (1959). A circumflex model for maternal behavior. *Journal of Abnormal and Social Psychology*, 112, 295-302.Sears, R. R., Maccoby, E. E., & Levin, H. (1957). *Pattern of child rearing*. New York: Happer & Row.Selwyn, N. (1997). Students' Attitudes toward Computers: Validation of a Computer Attitude Scale for 16-19 Education. *Computer Education*, 28(1), 35-41.Shashaani, L. (1993). Gender-based Differences in Attitudes toward Computers. *Computer and Education*, 20(2), 169-181.Shashaani, L. (1994). Socioeconomic status, parents' sex-role stereotypes, and the gender gap in computing. *Journal of Research on Computing in Education*, 26(4), 433-451.Skinner, B. F. (1953). *Science and human behavior*. New York: Macmillan.Subhi, T. (1999). Attitudes toward computers of gifted students and their teachers *High Ability Studies*. *High Ability Studies*, 10(1), 69-84.Swadener, M. T., & Hannafin, M. (1987). Gender similarities and differences in sixth grades' attitudes toward computers: an exploratory study. *Educational Technology*, 27(1), 37-42.Tsai, M. J. (2002). Do male and female students often perform better than female students when learning computers? : A study of Taiwanese eighth graders' computer education through strategic and cooperative learning. *Journal of Educational and Computing Research*, 26(1), 67 – 85.Violato, C., Marini, A., & Hunter, W. (1989). A confirmatory factor analysis of a four-factor model of attitudes toward computers: A study of preservice teachers. *Journal of Research on Computing in Education*, 22(2), 199-213.Weiss, L. H. & Schwarz, L. C. (1996). The relationship between parenting types and older adolescents' personality, academic achievement, adjustment, and substance use. *Child Development*, 67, 2101-2114.Whitely, Jr., B. E.,

1996, Gender differences in computer-related attitudes: It depends on what you ask. *Computers in Human Behavior*, 12, 275-289.

Wilder, G., Machie, D., & Cooper, J. (1985). Gender and Computer: Two Surveys of Computer-Related Attitudes. *Sex Roles*, 13(3), 215-228.

Williams, W. C. (1958). The PAIS test: A technique for children to evaluate both parent. *Journal of Consulting Psychology*, 22, 487-495.

Williams, K. J. (1984). A study of the status of the effective and cognitive dimensions of computer literacy among students according to educational level and sex. *Dissertation Abstracts International*, 44, 3275A.

Woodrow, J. E. (1991). A comparison of Four Computer Attitudes Scale. *Journal of Educational Computing Research*, 7, 165-187.

Woodrow, J. E. J. (1994). The development of computer related attitudes of secondary students. *Journal of Educational Computing Research*, 7, 165-187.

Wu, Y. & Morgan, M. (1989). Computer use, computer attitudes, and gender: differential implications of micro and mainframe usage among college students. *Journal of Research on Computing in Education*, 22(2), 214-228.

Yarrow, M. R., Warier, C. Z., & Scott, P. M. (1971). Child effects on adult behavior. *Developmental Psychology*, 5, 300-311.