REFERENCIAS

1. **Aarons, A. B.** (1976). Cultivating the capacity for formal reasoning: Objectives and procedures in an introductory physical science course. American Journal of Physics, 44, (9), 834-838
2. **Akturk Oguz Ahmet y Ismail Sahin** (2011). Literature Review on Metacognition and its Measurement. *Procedia Social and Behavioral Sciences* 15 (2011) 3731–3736.
3. **Anderson, R., Anderson, R., Chung, O., Davis, K. M., Davis, P., Prince, C., Razmov, V., & Simon, B.,** (2006) "Classroom Presenter: A Classroom Interaction System for Active and Collaborative Learning," in The Impact of Tablet PCs and Pen-based Technology on Education, Berque, D.A., Prey, J.C., & Reed, R., eds., Purdue U.,.
4. **Anderson, L. W. and Krathwohl, D. R. 2001.** A Taxonomy for Learning, Teaching, and Assessing: A Revision of Bloom's Taxonomy of Educational Objectives. Addison Wesley Longman: New York.
5. **Barraza M, A.** 2010. Propuestas de Intervención Educativa. 1a edición. Universidad Pedagógica de Durango, México. Págs: 124
6. **Bausela Herreras Esperanza**.2003. La investigación cooperativa, una modalidad de la investigación-acción. *Revista de Psicodidáctica, nº 15-16 - 2003 Págs. 121-130*
7. **Berelson, 1952 en Bardín L.** (2002). Análisis de Contenido. 3ª edición. Ediciones AKAL, Presses Universitaires de France. ISBN: 84-7600-093-6. Madrid-España, 192 págs.
8. **Berque, D.,** (2006) "Pushing Forty (Courses per Semester): Pen-Computing and DyKnow Tools at DePauw University," in The Impact of Tablet PCs and Pen-based Technology on Education, Berque, D.A., Prey, J.C., & Reed, R., eds., Purdue U.

9. **Binkley M, Erstad O, Herman J, Raizen S, Ripley M.** (2010) Defining 21st century skills. Assessment and Teaching of 21st Century Skills project. Universidad de Melbourne.
10. **Borrego M, Douglas E. P y Amelink C.T.** (2009). Quantitative, Qualitative, and Mixed Research Methods in Engineering Education. Journal of Engineering Education. January 2009. Págs: 53-66.
11. **Bransford J. D., A. L. Brown, and R. R. Cocking** (2000). How People Learn. Brain, Mind, Experience and School. Expanded Edition. National Academy Press. Washington DC.
12. **Bruffee, K** (1995). Sharing our toys. Cooperative learning versus collaborative learning. Change, *27(1)*, 12-18.
13. **Burke R.J y Onwuegbuzie A. J.** (2004). Mixed Methods Research: A Research Paradigm Whose Time Has Come. Educational Researcher. Vol. 33. No. 7, pp: 14-26.
14. **Carney, Karen.** (2005). Toward and Definition of HPL-ness. Centre of the Study of Learning, Instruction, and Teacher Development.
15. **Cáceres, P.** (2003). Análisis Cualitativo De Contenido: Una Alternativa Metodológica Alcanzable. Psicoperspectivas, vol. II, núm. 1, 2003, pp. 53-81 Pontificia Universidad Católica de Valparaíso. Valparaíso, Chile
16. **Chickering A.W., & Gamson, Z.F**., Seven Principles of Good Practice in Undergraduate Education, The American Association for Higher Education Bulletin, March 1987. Available online at: http://honolulu.hawaii.edu/intranet/committees/FacDevCom/guidebk/teachtip/7princip.htm.
17. **Chinn S.** 1989. Longitudinal studies: objectives and ethical considerations. Rev Epidém Santé Publ; 37: 417-29.
18. **Condemarín, Mabel y cols**. (1995) Taller de Lenguaje. Santiago. Editorial Dolmen

19. **Correa Z., M., Castro Rubilar, F., & Lira Ramos, H**. (2002). Hacia una Conceptualizacion de la Metacognicion y sus Ámbitos de Desarrollo. Universidad del Bío Bío, Chillán, Chila. Horizontes Educacionales, núm. 7. pp: 58-63.
20. **Diccionario de la Real Academia de la Lengua Española** (2001). Vigésima segunda edición. ISBN 9788423968145, disponible en http://www.rae.es/RAE/Noticias.nsf/Home?ReadForm
21. **Dym, C. L., & Little, P. (2004).** Engineering design: A project-based introduction. New York, NY: Wiley.
22. **Durward K. Sobek II, Vikas K. Jain.** The Engineering Problem-Solving Process: Good for Students? Proceedings of the 2004. American Society for Engineering Education Annual Conference & Exposition. Copyright © 2004, American Society for Engineering Education
23. **Eduard De Bono** (1974). CORT-Thinking Lessons. Disponible en: http://www.edwdebono.com/cort/index.html
24. **Enriquez, A.,** (2007). "Developing an Interactive Learning Network Using Tablet PCs in Sophomore-Level Engineering Courses," 2007 ASEE Annual Conference, June. Available online at: http://soa.asee.org/paper/conference/paper-view.cfm?id=3806.
25. **Fink** (1999) en **Jonassen David, Matthew Schmidt, William Miller, Gayla Neumeyer**. (2005). "A Problem-Based Introduction to Nuclear Sciencies". *American Society for Engiennering Education Annual Conference & Exposition*. págs: 8
26. **Flavell, J.** 1976. Metacognitive aspects of problem-solving. In L. B. Resnick (Ed.), The nature of intelligence (pp. 231–236). Hillsdale, NJ: Lawrence Erlbaum Associates.
27. **Flavell, J. H**. 1979. Metacognition and cognitive monitoring: A new area of cognitive–developmental inquiry. American Psychologist, 34(10): 906-911
28. **Fogler, H. S**.(2006). Elements of Chemical Reaction Engineering. 4th Ed. Prentice Hall: Upper Saddle River, NJ

29. **Gardner, H.** (1985). The mind's new science: a history of the cognitive revolution. Nueva York: Basic Books.
30. **Gassner, L.** (2009). Developing metacognitive awareness -a modified model of a PBL-tutorial. Tesis de Licenciatura Bachelor of Odontology in Oral Health Bachelor thesis, 15 ECTS June. Malmö University.
31. **Gutiérrez Cuba.V; Palou G.E y López Malo A**. (2011). Using tablets PCs and associated technologies to reveal undergraduate student thinking. American Society from Engineering Education.
32. **Jonassen H David** (2011a). Learning to Solve Problems: A Handbook for Designing Problem-Solving Learning Enviroments. Routledge, New York. 437 pp.
33. **Jonassen, D. H. and Khanna, S. K. (**2011 b). Implementing Problem Based Learning in Materials Science. Proceedings of the 2011 ASEE Annual Conference and Exposition, Vancouver, Canada, June 26-29.
34. **Jonassen, D. H.** (2010). Assembling and Analyzing the Building Blocks of Problem-Based Learning Environments, in Handbook of Improving Performance in the Workplace, Volume One: Instructional Design and Training Delivery (K. H. Silber and W. R. Foshay, eds.), John Wiley & Sons: Hoboken, NJ.
35. **Jonassen David, Matthew Schmidt, Matthew Easter, Rose Marra and William Miller**. (2007). "Desingning an Activity –based Curricular for Radiation Protection Personnel". American Society for Engineering Education. págs 13
36. **Jonassen David, Johannes Strobel and Chwee Beng Lee.** 2006. "Everyday Problem Solving in Engineering: Lessons for Engineering Educators". Journal of Engineering Education. April 2006. págs: 139- 151
37. **Jonassen David, Matthew Schmidt, William Miller, Gayla Neumeyer**. (2005). "A Problem-Based Introduction to Nuclear Sciencies". *American Society for Engiennering Education Annual Conference & Exposition*. págs: 8
38. **Jonassen, D. H.** (2000a). Toward a design theory of problem solving. Educational Technology: Research and Development, 48 (4), 63–85.

39. **Jonassen David**. (1999). Diseños Constructivistas de Ambientes de Aprendizaje (Capítulo 10) En Instructional-Design Theories and Models: A New Paradigm of Instructional Theory, Volúmen 2. Reigeluth Charles (Editor). Routledge, USA. 715 páginas.
40. **John D. Bransford, Ann L. Brown, and Rodney R. Cocking**, **(2000).** How People Learn: Brain, Mind, Experience, and School: Expanded Edition. National Academies Press. ISBN: 0-309-50145-8, 385 pages.
41. **Klinger, Cynthia y Vadillo, Guadalupe** (1999). Psicología Cognitiva. Estrategias en la Práctica Docente. México. Editorial Me Graw Hill.
42. **Kowalski, F.V. & Kowalski, S.E**., (2007). "Understanding and Overcoming Student-Based Difficulties when Transitioning from Multiple-Choice (Clicker) to Open-Ended Questions for Real-Time Formative Assessment," ASEE Annual Conference, June 2007. Available online at: http://soa.asee.org/paper/conference/paperview.cfm?id=5905.
43. **Kowalski, F., Kowalski, S., & Hoover, E.,** (2007). "Using InkSurvey: A Free Web-Based Tool for Open-Ended Questioning to Promote Active Learning and Real-Time Formative Assessment of Tablet PC Equipped Engineering Students," ASEE Annual Conference, June 2007. Available online at: http://soa.asee.org/paper/conference/paper-view.cfm?id=5781.
44. **Kowalski, S; Frank, kowalski y Tracy. G, Gardner**. (2009). Lesson Learned When Gathering Real-Time Formative Assessment in University Clasroom Using Tablet PCs. Colorado School of Mines. 39th ASEE/IEEE Frontiers in Education Conference. October 18 -21, San Antonio TX.
45. **Livingston A. Jennifer**. 1997. Metacognition: An Overview. Revisado vía WEB en http://www.gse.buffalo.edu/fas/shuell/cep564/Metacog.htm
46. **Mateos, Mar** (2001).Metacognición y Educación. Colección dirigida por Mario Carretero. Buenos Aires, Argentina. Editorial AIQUE, 1 - edición.

47. **Marilyn Binkley, Ola Erstad, Joan Herman, Senta Raizen, Martin Ripley with Mike Rumble**. Draft White Paper 1: Defining 21st century skills. Assessment and Teaching of 21st Century Skills. The University of Melbourne. January 2010.
48. **Maykut. P y Morehouse R.** (1994). Beginning Qualitative Research: A Philosophic and Practical Guide. The Farmer Press. London. Págs: 190.
49. **Palou G. E. (2010)**. "Critical Support Systems to Enhance the Development of 21st Century Expertise in Engineering Students: Using Tablet PCs and Associated Technologies, the Framework for 21st Century Learning, and Guidelines from Research on How People Learn."
50. **Partnership for 21st Century Skills. Framework for 21st Century Learning** (2009a). Available at: http://www.p21.org/index.php?option=com_content&task=view&id=254&Itemid=119
51. **Partnership for 21st Century Skills. P21 Framework Definitions** (2009b). Available at: http://www.p21.org/documents/P21_Framework_Definitions.pdf
52. **Partnership for 21st Century Skills. The MILE Guide (2009c).** Available at: http://www.p21.org/documents/MILE_Guide_091101.pdf
53. **Ramírez Apud L.Z; Palou G. E; Ramírez C.N; López Malo A.** (2012). Implementing problem-solving learning environments in a kinetics and homogeneous reactor design course. American Society for Engineering Education. 11pags.
54. **Rich**, 1960 en **Jonnassen David, Johannes Strobel and Chwee Beng Lee**. 2006. "Everyday Problem Solving in Engineering: Lessons for Engineering Educators". Journal of Engineering Education. April 2006. págs: 139- 151.
55. **Rychen, D.S. and L.H. Salganik** (eds.). (2001). Defining and selecting key competencies. En THE DEFINITION AND SELECTION OF KEY COMPETENCIES: Executive Summary. Recuperado el 11 de Octubre de 2012 en http://www.oecd.org/pisa/35070367.pdf

56. **Sánchez, M.** (2002). La investigación sobre el desarrollo y la enseñanza de las habilidades de pensamiento. Revista Electrónica de Investigación Educativa 4, (1). Consultado el día de mes de año en: http://redie.uabc.mx/vol4no1/contenido-amestoy.html
57. **Schraw, G. and Dennison, R. S. (**1994). Assessing metacognitive awareness. Contemporary Educational Psychology, 19(4): 460–475.
58. **Sternberg, R**. (1987). Intelligence applied. Understanding and increasing your intellectual skills. Nueva York: W. H. Freeman and Co.
59. **Suina, J. H. y L. B. Smolkin** (1994), "From natal culture to school culture to dominant society culture: Supporting transitions for Pueblo Indian students", en P. M. Greenfield y R. R. Cocking (eds.), Cross-Cultural Roots of Minority Child Development, Hillsdale, nj, Erlbaum, pp. 115-130.
60. **Tront, J.G.,**(2005). "Using Tablet PCs in Engineering Education," ASEE Annual Conference, June 2005. Available online at: http://soa.asee.org/paper/conference/paper-view.cfm?id=21360.
61. **Wilson, J.W., M.L. Fernandez, and N.D. Hadaway**. (2001).stad, Herman, Raizen, Ripley y Rumble, 2010) "Mathematical Problem Solving". Revisado el 14/02/12 de http://jwilson.coe.uga