

## Critical Thinking Resources:

January 7, 2013

### 01. Strategies for teaching critical thinking skills to students, grades K-12

- Armstrong, S., Chen, M., & Furger, R. (2003, February 10). Media-literacy starting points: Tips for fostering critical thinking. Retrieved from <http://www.edutopia.org/media-literacy-critical-thinking-tips>
- Brightman, H. (n.d.). GSU Master Teacher Program: On critical thinking. <http://www2.gsu.edu/~dschjb/wwwcrit.html>
- Brooks, S. & Byles, B. (2012, January 9). Daily dose: Brain teasers. Retrieved from [http://www.internet4classrooms.com/brain\\_teasers.htm](http://www.internet4classrooms.com/brain_teasers.htm)
- Caroselli, M. (2010). Fifty Activities for Developing Critical Thinking Skills. Retrieved from <http://my.safaribooksonline.com/book/hr-organizational-management/9781599961965>
- Children's guide video series (K-6). [Video file]. From *Miniature Guide to Critical Thinking for Children*. Retrieved from <http://www.criticalthinking.org/pages/childrens-guide-video-series-k-6/791>
- Critical thinking activities for kids. (2010). Retrieved from <http://www.jumpstart.com/parents/activities/critical-thinking-activities>
- Critical thinking: Sample rubrics. (n.d.). Retrieved from [http://www3.wooster.edu/teagle/critical\\_rubrics.php](http://www3.wooster.edu/teagle/critical_rubrics.php)
- Critical thinking skills worksheets. (n.d.). *LessonPlanet*. Retrieved from <http://www.lessonplanet.com/search?keywords=critical+thinking+skills&media=worksheets>
- Critical thinking worksheets. (n.d.). *teAchnology*. Retrieved from [http://www.teach-nology.com/worksheets/critical\\_thinking/](http://www.teach-nology.com/worksheets/critical_thinking/)
- De Frondeville, T. (2009, November 12). What is critical thinking? How do we teach it? And how does it fit into great Project Based Learning? [Discussion group]. Retrieved from <http://www.edutopia.org/groups/project-learning/8404>
- Dewar, G. (2008). Critical thinking in children: Are we teaching our kids to be dumb? Retrieved from <http://www.parentingscience.com/critical-thinking-in-children.html>
- Emmy. (2008, February 1). Creative & critical thinking activities for the middle or high school classroom. *Teachers.net Gazette*, 5(2). Retrieved from [http://teachers.net/gazette/FEB08/critical\\_thinking\\_activities/](http://teachers.net/gazette/FEB08/critical_thinking_activities/)
- Ennis, R.H. (2011, July 19). Critical thinking assessment. Retrieved from <http://www.criticalthinking.net/testing.html>
- Garland, S. (2011, May 3). Bloom's taxonomy: Critical thinking skills for kids. Retrieved from <http://www.exquisite-minds.com/idea-of-the-week/blooms-taxonomy-critical-thinking-skills/>
- Grades K-6 critical and creative thinking lessons. (n.d.). Retrieved from <http://www.fcps.edu/is/aap/level1.shtml>
- Lau, J. (2012). Tutorial G04: Charts & diagrams. Retrieved from <http://philosophy.hku.hk/think/scripts/quiz/valid1.php>
- Leicester, M. (2010). Critical teaching: Bringing it all together. In *Teaching Critical Thinking Skills* (chapter seven). Retrieved from [http://books.google.com/books?hl=en&lr=&id=Nfs\\_Ch5S554C&oi=fnd&pg=PR7&dq=teaching+critical+thinking+skills&ots=Z\\_G6EbsP3K&sig=bDmTHqpXQaJDfjEYkwUWkpSkSys#v=onepage&q=teaching%20critical%20thinking%20skills&f=false](http://books.google.com/books?hl=en&lr=&id=Nfs_Ch5S554C&oi=fnd&pg=PR7&dq=teaching+critical+thinking+skills&ots=Z_G6EbsP3K&sig=bDmTHqpXQaJDfjEYkwUWkpSkSys#v=onepage&q=teaching%20critical%20thinking%20skills&f=false)
- Loh, A. (n.d.). Teaching critical thinking skills to children. Retrieved from <http://www.brainy->

[child.com/article/teaching-critical-thinking.shtml](http://www.child.com/article/teaching-critical-thinking.shtml)

- Marigliano, M. & Russo, M. (2011, September). Moving bodies, building minds: Foster preschoolers' critical thinking and problem solving through movement. *Young Children*. Retrieved from [http://www.naeyc.org/files/yc/file/201109/Moving%20Bodies\\_Russo\\_Marigliano\\_Online\\_0911.pdf](http://www.naeyc.org/files/yc/file/201109/Moving%20Bodies_Russo_Marigliano_Online_0911.pdf)
- Miller, A. (2012, February 16). Ensuring critical thinking in project-based learning. Retrieved from <http://www.wholechildeducation.org/blog/ensuring-critical-thinking-in-project-based-learning/>
- Paul, R., Binker, A., & Weil, D. (1995). Remodeled lessons: K-3. In *Critical Thinking Handbook: K-3, A Guide for Remodeling Lesson Plans in Language Arts, Social Studies, and Science*. Retrieved from <http://www.criticalthinking.org/pages/remodelled-lessons-k-3/464>
- Paul, R. (1995). Remodeled lessons: 6-9. In *Critical Thinking Handbook: 6-9th Grades, A Guide for Remodeling Lesson Plans in Language Arts, Social Studies, and Science*. Retrieved from <http://www.criticalthinking.org/pages/remodelled-lessons-6-9/463>
- Paul, R., Binker, A., Jensen, K., & Kreklau, H. (1990). Remodeled lessons: 4-6. In *Critical Thinking Handbook: 4-6th Grades*. Retrieved from <http://www.criticalthinking.org/pages/remodelled-lessons-4-6/462>
- Paul, R., Martin, D. & Adamson, K. (1989). Remodeled lessons: High school. In *Critical Thinking Handbook: High School, A Guide for Redesigning Instruction*. Retrieved from <http://www.criticalthinking.org/pages/remodelled-lessons-high-school/465>
- Paul, R. & Elder, L. (2000). Tactical and structural recommendations. In *Critical Thinking: Basic Theory and Instructional Structures Handbook*. Retrieved from <http://www.criticalthinking.org/pages/tactical-and-structural-recommendations/467>
- Paul, R. & Elder, L. (2000). Teaching tactics that encourage active learning. In *Critical Thinking: Basic Theory and Instructional Structures Handbook*. Retrieved from <http://www.criticalthinking.org/pages/teaching-tactics-that-encourage-active-learning/468>
- ReallyRachel. (2011, June 28). Twenty quick and fun creative and critical thinking activities. *Minds in Bloom*. Retrieved from <http://www.minds-in-bloom.com/2011/06/20-quick-fun-creative-and-critical.html>
- Resources and downloads for teaching critical thinking. (2011, July 11) Retrieved from <http://www.edutopia.org/stw-kipp-critical-thinking-resources-downloads>
- Riefler, D. (n.d.). Kids thinking critically: Lesson plans. Retrieved from <http://kidsthinkingcritically.wordpress.com/lesson-plans/>
- Socratic questions. (n.d.). Retrieved from [http://changingminds.org/techniques/questioning/socratic\\_questions.htm](http://changingminds.org/techniques/questioning/socratic_questions.htm)
- Stoltenberg, N. (2012, June 6). Whole brain teaching: Critical thinking [Video file]. Retrieved from <http://www.youtube.com/watch?v=I87KGFpBNsU>
- Think about it: Critical thinking. (n.d.). Retrieved from <http://www.scholastic.com/resources/article/think-about-it-critical-thinking/>
- Wolcott, S. (2006, February 11). Educator resources. Retrieved from <http://www.wolcottlynch.com/EducatorResources.html>
- Wolcott, S. (n.d.). Web-based tutorial. Retrieved from <http://www.wolcottlynch.com/tutorial/>

## **02. Setting and/or using criteria for making critical judgements**

- Developing critical thinking. (n.d.). Retrieved from [http://www.emeraldinsight.com/learning/study\\_skills/skills/critical\\_thinking.htm](http://www.emeraldinsight.com/learning/study_skills/skills/critical_thinking.htm)
- Frazier, B. (n.d.) Discriminative thinking versus being judgmental. Retrieved from <http://www.thesuccessfulparent.com/general-parenting/discriminative-thinking-versus-being-judgmental>
- Hopler, W. (2012, June 12). Seven ways to teach kids critical thinking. Retrieved from <http://www.adventistreview.org/issue.php?issue=2012-1517&page=26>
- Lau, J. (2012). Logic. Retrieved from <http://philosophy.hku.hk/think/logic/intro.php>
- Lau, J. (2012). Module A: Argument analysis. Retrieved from <http://philosophy.hku.hk/think/arg/>
- Paul, R. (1995). Ethics without indoctrination. In *Critical Thinking: How to Prepare Students for a Rapidly Changing World*. Retrieved from <http://www.criticalthinking.org/pages/ethics-without-indoctrination/494>
- Taylor, J. (2005). Lesson #1: Make good decisions. Adapted from *Your Children Are Under Attack: How Popular Culture is Destroying Your Kids' Values, and How You Can Protect Them*. Retrieved from <http://www.familiesonlinemagazine.com/kids-decision-making.html>
- Willingham, D. T. (Summer 2007). Critical thinking: Why is it so hard to teach? *American Educator*, 8-19. Retrieved from <http://mres.gmu.edu/pmwiki/uploads/Main/CritThink.pdf>

## **03. Assessing evidence and sources of data**

- Adams, D. (2000, December 27). Critical thinking, the scientific method. Retrieved from [http://www.sdbonline.org/archive/SDBEduca/dany\\_adams/critical\\_thinking.html](http://www.sdbonline.org/archive/SDBEduca/dany_adams/critical_thinking.html)
- Assessing the credibility of online sources. (2005). Retrieved from <http://leo.stcloudstate.edu/research/credibility1.html>
- Assessing the validity of online information. (n.d.). Retrieved from [www.purdue.edu/hr/doc/OnlineResourceValidity.doc](http://www.purdue.edu/hr/doc/OnlineResourceValidity.doc)
- Critically evaluating the logic and validity of information. (2003). Retrieved from <http://academic.cuesta.edu/acasupp/as/403.htm>
- Evaluation techniques of internet resources. (2012). Retrieved from <http://www.teachercertification.org/secondaryeducation/evaluation-techniques-of-Internet-resources.html>
- How do I... evaluate sources? (n.d.). Retrieved from <http://ucblibraries.colorado.edu/how/evaluate.htm>
- Research guide: Assessing sources. (n.d.). Retrieved from <http://www.pbs.org/now/classroom/acrobat/lesson07.pdf>
- Yanoshak, N & DelPlato, J. (2012, April 9). Students must learn to analyze sources critically. *The Chronicle of Higher Education*. Retrieved from <http://chronicle.com/article/Students-Must-Learn-to-Analyze/131469/>

## **04. Using the language of critical thinking**

- Assessing critical and creative thinking. (2012). *Australian Council for Educational Research*. Retrieved from <http://www.acer.edu.au/52stories/52-stories/assessing-critical-and-creative-thinking>
- Bailin, S., Case, R., Coombs, J. & Daniels, L. (1999). Conceptualizing critical thinking. *J. Curriculum Studies*, 31(3), 285-302. Retrieved from [http://www.ubc.ca/okanagan/ctl/\\_shared/assets/ct-conceptualize597.pdf](http://www.ubc.ca/okanagan/ctl/_shared/assets/ct-conceptualize597.pdf)
- Baker, M., Rudd, R. & Pomeroy, C. (2001). Relationships between critical and creative thinking. *Journal of Southern Agricultural Research*, 51(1), 173-188. Retrieved from <http://pubs.aged.tamu.edu/jsaer/pdf/>

[Vol51/51-00-173.pdf](#)

- Bauerlein, M. (2011, July 7). Critical-thinking in the curriculum - Donald Lazere. *The Chronicle of Higher Education*. Retrieved from <http://chronicle.com/blogs/brainstorm/critical-thinking-in-the-curriculum-donald-lazere/37094>
- Bauerlein, M. (2011, November 20). Martha Nussbaum's critical thinkers. *The Chronicle of Higher Education*. Retrieved from <http://chronicle.com/blogs/brainstorm/martha-nussbaums-critical-thinkers/41436>
- Bloom, A. (2012). Critical thinking in Buddhism: The Kalama Sutta. Retrieved from <http://shindharmanet.com/critical/>
- The Buddha was a critical thinker. (2007). Retrieved from <http://www.ilearnincambodia.org/ct1.htm>
- Burbules, N. & Berk, R. (1999). Critical thinking and critical pedagogy: Relations, differences, and limits. *Critical Theories in Education*. Retrieved from <http://faculty.education.illinois.edu/burbules/papers/critical.html>
- Creative and critical thinking. (2007). *Lesson 9: Geospatial Analysis Principles*. Retrieved from <https://courseware.e-education.psu.edu/courses/bootcamp/lo09/06.html>
- Critical and creative thinking. (n.d.). *University of Michigan*. Retrieved from <http://www.engin.umich.edu/~cre/probsolv/strategy/crit-n-creat.htm>
- Critical thinking: Advice and resources on the subject of critical thinking. (2012, August 31). Retrieved from <http://www.ed.ac.uk/schools-departments/institute-academic-development/postgraduate/taught/learning-resources/critical>
- Critical thinking: Glossary. (n.d.). Retrieved from <http://mcckc.edu/services/criticalthinking/criticalthinkingproject/glossary.asp>
- Critical thinking handout. (2002). Retrieved from [http://www.ius.edu/ilte/pdf/critical\\_thinking\\_handout\\_fall\\_02.pdf](http://www.ius.edu/ilte/pdf/critical_thinking_handout_fall_02.pdf)
- Critical Thinking: Teaching College and University Students to Think Critically and Evaluate (chapter one). Retrieved from [http://intranet.howardcc.edu/Faculty\\_Resources/TeachingResources/pdf/Ch1\\_Critical\\_Thinking\\_F01.pdf](http://intranet.howardcc.edu/Faculty_Resources/TeachingResources/pdf/Ch1_Critical_Thinking_F01.pdf)
- Ennis, R. (1991, March). Critical thinking: A streamlined conception. *Teaching Philosophy*, 14(1), 5-24. Retrieved from <http://www.criticalthinking.net/EnnisStreamConc1991%20LowRes.pdf>
- Ennis, R. (2005, September). A super-streamlined conception of critical thinking. Retrieved from <http://www.criticalthinking.com/company/articles/critical-thinking-definition.jsp?code=c>
- Fendrich, L. (2008, March 7). Assessing critical thinking. *The Chronicle of Higher Education*. Retrieved from <http://chronicle.com/blogs/brainstorm/assessing-critical-thinking/5760>
- Fisher, A. (2001). *Critical Thinking: An Introduction*. Retrieved from <http://www.enopicenter.com/upi/201172110577148.pdf>
- Gabennesh, H. (2006). Critical thinking: What is it good for? (In fact, what is it?). *Skeptical Inquirer*, 30(2). Retrieved from [http://www.csicop.org/si/show/critical\\_thinking\\_what\\_is\\_it\\_good\\_for\\_in\\_fact\\_what\\_is\\_it/](http://www.csicop.org/si/show/critical_thinking_what_is_it_good_for_in_fact_what_is_it/)
- H20ho. (2009, September 14). What is critical thinking, and why do we need it? *YahooVOICES*. Retrieved from <http://voices.yahoo.com/what-critical-thinking-why-we-it-4239807.html?cat=4>
- Huitt, W. (1998). Critical thinking. Retrieved from <http://www.oocities.org/eltsqu/Critical.htm>
- Jayatunge, R. (2011, February 26). Buddhist philosophy and critical thinking. *Sri Lanka Guardian*. Retrieved from <http://www.srilankaguardian.org/2011/02/buddhist-philosophy-and-critical.html>

- Klooster, D. (n.d.). What is critical thinking and how can we teach it? Retrieved from <http://www.criticalthinkingblog.org/wp-content/uploads/2010/12/What-is-Critical-Thinking-and-How-Can-We-Teach-It1.pdf>
- Lai, E., (2011). Critical thinking: A literature review. Retrieved from <http://www.pearsonassessments.com/hai/images/tmrs/criticalthinkingreviewfinal.pdf>
- Lau, J. (2009, March). *A Mini Guide to Critical Thinking*. Retrieved from <http://philosophy.hku.hk/think/misc/miniguide.php>
- Lau, J. & Chan, J. (2012) Tutorial C01: What is critical thinking? Retrieved from <http://philosophy.hku.hk/think/critical/ct.php>
- Marrapodi, J. (2003, December). Critical thinking and creativity: An overview and comparison of the theories. Retrieved from <http://www.applestar.org/capella/CRITICAL%20THINKING%20AND%20CREATIVITY.pdf>
- Mytokessay. (2011, May 30). Critical thinking versus creative thinking. Wait? Do you want to be a critic or a creator of a masterpiece? *WordPress*. Retrieved from <http://mytokessay.wordpress.com/2011/05/30/critical-thinking-versus-creative-thinking-wait-do-you-want-to-be-a-critic-or-a-creator-of-a-masterpiece/>
- Notaro, K. (2012, March 22). Critical thinking: The posthuman mind (An interview with Dr. Joel Rudinow). Retrieved from <http://ieet.org/index.php/IEET/print/5503>
- O'Rourke, M. (2005). University of Idaho Critical thinking handbook. Retrieved from [http://www.webpages.uidaho.edu/crit\\_think/](http://www.webpages.uidaho.edu/crit_think/)
- Overview of critical thinking skills. (2012). Retrieved from <http://www.adea.org/ADEACCI/RESOURCES/CRITICAL-THINKING-SKILLS-TOOLKIT/Pages/Overview-of-Critical-Thinking-Skills.aspx>
- Paul, R. & Elder, L. (2008). *The Thinker's Guide to the Nature and Functions of Critical and Creative Thinking*. Retrieved from [http://www.criticalthinking.org/files/CCThink\\_6.12.08.pdf](http://www.criticalthinking.org/files/CCThink_6.12.08.pdf)
- Rabinowitz, P. (2012). Thinking critically. Retrieved from [http://ctb.ku.edu/en/tablecontents/sub\\_section\\_main\\_1120.aspx](http://ctb.ku.edu/en/tablecontents/sub_section_main_1120.aspx)
- Roth, M. (2010, January 3). Beyond critical thinking. *The Chronicle of Higher Education*. Retrieved from <http://chronicle.com/article/Beyond-Critical-Thinking/63288/>
- Rusbult, C. (2001). Critical thinking skills in education and life. Retrieved from <http://www.asa3.org/ASA/education/think/critical.htm>
- Schieder, E. (2011). The idea emporium: What is critical thinking? Retrieved from <http://www.elsas-word-story-image-idea-music-emporium.com/what-is-critical-thinking.html>
- Steele, J. (2001). *The Reading and Writing for Critical Thinking Project: A Framework for School Change* (chapter one). Retrieved from <http://www.rwctic.org/The-Reading-and-Writing-for-Critical-Thinking-Project-2.pdf>
- Student learning: Creative and critical thinking. (n.d.). *Dublin City University*. Retrieved from <http://www4.dcu.ie/studentlearning/critical-thinking/unit1/index.shtml>
- Who asks questions like these? (2012). *Philadelphia Association for Critical Thinking (PhACT)*. Retrieved from <http://www.phact.org>
- Wood, P. (2012, January 6). Some critical thoughts. *The Chronicle of Higher Education*. Retrieved from <http://>

[chronicle.com/blogs/innovations/some-critical-thoughts/31252](http://chronicle.com/blogs/innovations/some-critical-thoughts/31252)

<http://iteslj.org/Techniques/Halvorsen-CriticalThinking.html>

### **05. Asking questions that promote critical thinking**

Bloom's critical thinking cue questions, (n.d.) Retrieved from <http://www.curriculuminstitute.org/conference-archives/handouts/CCSSO%20Que%20Questions.pdf>

Costa, A. & Kallick, B. (2000). Using questions to stimulate critical thinking. In *Activating and Engaging Habits of Mind*. Retrieved from <http://www.movingbeyondthepage.com/articles/?articleID=5>

*Critical Thinking Sample Test Questions Booklet*. (2008). Retrieved from [http://www.howardcollege.edu/pdf/abouthc/qep/ct\\_sample.pdf](http://www.howardcollege.edu/pdf/abouthc/qep/ct_sample.pdf)

Ellis, K. (2005, July 13). Students evolve from consumers to critics and creators. Retrieved from <http://www.edutopia.org/media-literacy-skills>

Ideas to action (i2a): Critical thinking poster project. (n.d.). Retrieved from <https://louisville.edu/procard/ideastoaction/posters>

Kasten, G. R. (2012, March 2). Critical thinking: A necessary skill in the age of spin. Retrieved from <http://www.edutopia.org/blog/critical-thinking-necessary-skill-g-randy-kasten>

Lemov, D. (2010). Challenging students to think critically. In *Teach Like a Champion* (chapter nine). Retrieved from <http://www.scribd.com/doc/64032574/20/STOCK-QUESTIONS>

McKenzie, J. (1997, November-December). A questioning toolkit. *From Now On: The Education Technology Journal*, 7(3). Retrieved from <http://www.fno.org/nov97/toolkit.html>

Muirhead, B. (2002). Integrating critical thinking into online classes. *United States Distance Learning Association Journal*, 16(11). Retrieved from [http://www.usdla.org/html/journal/NOV02\\_Issue/article03.html](http://www.usdla.org/html/journal/NOV02_Issue/article03.html)

Nobori, M. (2011, July 11). Ten takeaway tips for teaching critical thinking. Retrieved from <http://www.edutopia.org/stw-kipp-critical-thinking-10-tips-for-teaching>

Paul, R. & Elder, L. (1997). Socratic teaching. In *Foundation For Critical Thinking*. Retrieved from <http://www.criticalthinking.org/pages/socratic-teaching/507>

Socratic questions. (n.d.). Retrieved from [http://changingminds.org/techniques/questioning/socratic\\_questions.htm](http://changingminds.org/techniques/questioning/socratic_questions.htm)

Talbert, R. (2012, February 23). What happens if we just ask questions? *The Chronicle of Higher Education*. Retrieved from <http://chronicle.com/blognetwork/castingoutnines/2012/02/23/what-happens-if-we-just-ask-questions/>

### **06. Preparing teachers for including critical thinking in their classrooms**

Baum, L. (2011). Processes of critical and creative thinking. *Fostering Critical and Creative Thinking in the K12 Classroom*. Retrieved from <http://www.ideas.soe.vt.edu/handouts/Overview%202012.pdf>

Boda, J. (n.d.). Critical thinking and the Buddha's charter of free inquiry (Kalama Sutta). Retrieved from [http://www.mahabodhi.net/teachers\\_cache/dk/](http://www.mahabodhi.net/teachers_cache/dk/)

Ennis, R. (1989). Critical thinking and subject specificity: Clarification and needed research. *Educational Researcher*, (18)4, 4-10. [doi:10.3102/0013189X018003004](https://doi.org/10.3102/0013189X018003004)

- Ennis, R. (2007, November 18). Nationwide testing of critical thinking for higher education: Vigilance required. Retrieved from <http://www.criticalthinking.net/NatCTTest11-18-07U.pdf>
- Goyak, A. (2009). The effects of cooperative learning techniques on perceived classroom environment and critical thinking skills of preservice teachers. *Liberty University*. Retrieved from <http://www.digitalcommons.liberty.edu>
- Introducing the thinking classroom. (1998). Retrieved from <http://learnweb.harvard.edu/alps/thinking/intro.cfm>
- The inventive thinking curriculum project: An outreach program of the United States Patent and Trademark Office. (1997, January). Retrieved from <http://www.pravel.com/docs/inventive%20thinking.pdf>
- Landsbereger, J. (n.d.). Critical thinking I. Retrieved from <http://www.studygs.net/crtthk.htm>
- Lemov, D. (2010). Challenging students to think critically. In *Teach Like a Champion* (chapter nine). Retrieved from <http://www.scribd.com/doc/64032574/20/STOCK-QUESTIONS>
- Nobori, M. (2011, July 15). Training teachers to teach critical thinking. Retrieved from <http://www.edutopia.org/stw-kipp-critical-thinking-10-tips-for-teaching>
- Paul, R. (1995). The art of redesigning instruction. In *Critical Thinking: How to Prepare Students for a Rapidly Changing World*. Retrieved from <http://www.criticalthinking.org/pages/the-art-of-redesigning-instruction/520>
- Teaching critical thinking. (2012). Retrieved from <http://www.unk.edu/academics/teachingexcellence.aspx?id=13260>
- Treffinger, D. (2008). Preparing creative and critical thinkers. *Educational Leadership: Thinking Skills NOW*, 65. Retrieved from <http://www.ascd.org/publications/educational-leadership/summer08/vol65/num09/Preparing-Creative-and-Critical-Thinkers.aspx>
- van Gelder, T. J. (2004, July). *Teaching Critical Thinking: Lessons from Cognitive Science*. Retrieved from <http://philosophy.hku.hk/think/critical/teach.php>
- Why teach critical thinking skills? (2005, May). Retrieved from <http://www.criticalthinking.com/company/articles/teaching-critical-thinking-skills.jsp?code=c>

## **07. Integrating critical thinking with the required content**

- ALPS: Harvard Graduate School. (n.d.). *Introduction: The pictures of practice*. Retrieved from <http://learnweb.harvard.edu/alps/bigideas/q1.cfm>
- Chaffee, J., McMahon, C. & Stout, B. (n.d.) Teaching suggestions. In *Critical Thinking, Thoughtful Writing: A Rhetoric with Readings* (chapter three). Retrieved from ([http://college.cengage.com/english/chaffee/critical\\_thinking/2e/instructors/suggestions/ch03.html](http://college.cengage.com/english/chaffee/critical_thinking/2e/instructors/suggestions/ch03.html))
- Dewar, G. (2009). Teaching critical thinking: A *Parenting Science* guide. Retrieved from <http://www.parentingscience.com/teaching-critical-thinking.html>
- English, T. (n.d.). Math critical thinking projects. Retrieved from [http://www.ehow.com/info\\_7833046\\_math-critical-thinking-projects.html](http://www.ehow.com/info_7833046_math-critical-thinking-projects.html)
- Ennis, R. (1990). The extent to which critical thinking is subject-specific: Further clarification. *Educational Researcher*, 19(3), 13-16. doi:10.3102/0013189X019004014
- Ennis, R. (Spring, 1997). Incorporating critical thinking in the curriculum. *Inquiry: Critical Thinking Across the Disciplines*, XVI(3), 1-9. Retrieved from <http://www.criticalthinking.net/IncorporatingCriticalThinkingInTheCurriculum.pdf>

- Iakovos, T. (2011, July). Critical and creative thinking in the English classroom. *International Journal of Humanities and Social Science*, 1(8). Retrieved from <http://www.ijhssnet.com/journals/Vol.1.No.8;July.2011/10.pdf>
- Introduction to critical thinking. (n.d.). *Chemistry Connects to...* Retrieved from <http://www.arn.org/realscience/kog1asample/kog-ct-chem-1a-sample.pdf>
- Kabilan, M. (2000, June 6). Creative and critical thinking in language classrooms. *The Internet TESL Journal*, 6(6). Retrieved from <http://iteslj.org/Techniques/Kabilan-CriticalThinking.html>
- Kurland, D. (2010). How the language really works: The fundamentals of critical reading and effective writing. Retrieved from <http://www.criticalreading.com>
- Lau, J. (2012) Tutorial S02: Scientific method. Retrieved from <http://philosophy.hku.hk/think/sci/hd.php>
- MacKnight, C. B. (2000). Teaching critical thinking skills through online discussions. *Educause Quarterly*, 4, 38-41. Retrieved from [http://eac595b.pbworks.com/f/macknight+2000+questions\[1\].pdf](http://eac595b.pbworks.com/f/macknight+2000+questions[1].pdf)
- Mariellesimone. (2005). Creative and critical thinking across the curriculum [Slideshow]. Retrieved from <http://www.slideshare.net/Mariellesimone/critical-and-creative-thinking-henderson>
- Miller, A. (2011, November 2). Visual art as critical thinking. Retrieved from <http://www.edutopia.org/blog/visual-art-critical-thinking-andrew-miller>
- Noddings, N. (2008). All our students thinking. *Educational Leadership*, 65(5), 8-13. Retrieved from <http://www.ascd.org/publications/educational-leadership/feb08/vol65/num05/All-Our-Students-Thinking.aspx>
- Ommundsen, P. (2005). Critical thinking in biology: Case problems in scientific reasoning. *Cape West Publishing*. Retrieved from <http://capewest.ca/ct.html>
- Opp-Beckman, L. & Klinghammer, S. (2006). Module 9: Critical and creative thinking. In *Shaping the way we teach English* (chapter nine). Retrieved from [http://oelp.uoregon.edu/shaping\\_manual\\_aug2006.pdf](http://oelp.uoregon.edu/shaping_manual_aug2006.pdf)
- Opp-Beckman, L. & Klinghammer, S. (2006). Module 9: Critical and creative thinking [Video file]. In *Shaping the way we teach English* (chapter nine). Retrieved from <http://www.youtube.com/watch?v=p5dodTlc1sc>
- Pogrebin, R. (2007, August 4). Book tackles old debate: Role of art in schools. *The New York Times*. Retrieved from <http://www.nytimes.com/2007/08/04/arts/design/04stud.html>
- Randi, J. [Moderator] (2009-2010). Science Fair Project Ideas that Promote Critical Thinking. [Discussion]. Retrieve from <http://forums.randi.org/showthread.php?t=192428>
- Sarfin, R. (2012). How to develop critical thinking skills through science. *eHow*. Retrieved from [http://www.ehow.com/how\\_6609840\\_develop-thinking-skills-through-science.html](http://www.ehow.com/how_6609840_develop-thinking-skills-through-science.html)
- Schwartz, R. & Perkins, D. (2006, October). Infusing teaching thinking into subject-area instruction. In *Teaching Thinking-Issues Approaches*. Retrieved from <http://www.criticalthinking.com/company/articles/infusing-thinking.jsp?code=c>
- Swarz, R. (2008). Energizing learning. *Educational Leadership*, 65(5), 26-31. Retrieved from <http://www.ascd.org/publications/educational-leadership/feb08/vol65/num05/Energizing-Learning.aspx>
- Talbert, R. (2006, October 17). Critical thinking: Keeping it simple. *The Chronicle of Higher Education*. Retrieved from <http://chronicle.com/blognetwork/castingoutnines/2006/10/17/critical-thinking-keeping-it-simple/>
- Talbert, R. (2006, October 10). What “critical thinking” might mean in math. *The Chronicle of Higher Education*. Retrieved from <http://chronicle.com/blognetwork/castingoutnines/2006/10/10/what-critical-thinking->



[might-mean-in-math/](#)

Wahlig, H. (2012). Ten minute critical thinking activities for English class. *Ehow*. Retrieved from [http://www.ehow.com/list\\_6573361\\_10-thinking-activities-english-classes.html](http://www.ehow.com/list_6573361_10-thinking-activities-english-classes.html)

Washington State University critical thinking project resource guide. Retrieved from [http://assessment.aas.duke.edu/documents/WashingtonStateUniversityCriticalThinkingProjectResourceGuide\\_000.pdf](http://assessment.aas.duke.edu/documents/WashingtonStateUniversityCriticalThinkingProjectResourceGuide_000.pdf)

## **08. Utilizing critical thinking skills to prepare students for college and careers**

Anderson, A. (2012). What are the benefits of critical thinking in the workplace? *The Houston Chronicle*. Retrieved from <http://smallbusiness.chron.com/benefits-critical-thinking-workplace-11638.html>

Bauerlein, M. (2012, April 2). All summary, no critical thinking. *The Chronicle of Higher Education*. Retrieved from <http://chronicle.com/blogs/brainstorm/all-summary-no-critical-thinking/45297>

Bauerlein, M. (2010, March 9). Employers want 19th century skills. *The Chronicle of Higher Education*. Retrieved from <http://chronicle.com/blogs/brainstorm/employers-want-18th-century-skills/21687>

Brown, M. (2011, February 17). Social class and critical education. *The Chronicle of Higher Education*. Retrieved from <http://chronicle.com/blogs/old-new/social-class-and-critical-education/256>

Critical thinking: A path to college and career. [Video file]. Retrieved from <http://www.edutopia.org/stw-kipp-critical-thinking>

Elders, S. (2012, May 10). The importance of critical thinking skills - Preparing students for college and work. Retrieved from <http://www.curreygram.org/podium/default.aspx?t=204&tn=The+Importance+of+Critical+Thinking+Skills+-+Preparing+Students+for+College+and+Work&nid=783698&ptid=161592&sdb=False&pf=pgt&mode=0&vcm=False>

Engaged, successful students. (n.d.). *ArtsEd Search*. Retrieved from <http://www.artsedsearch.org/engaged-successful-students>

Kaya, T. (2010, November 7). A 'Stealth Assessment' turns to video games to measure thinking skills. *The Chronicle of Higher Education*. Retrieved from <http://chronicle.com/article/A-Stealth-Assessment-Turns/125276/>

Killion, J. (2012, February 8). Will *Common Core* really lead to college- and career-readiness? [Blog]. *Education Week*. Retrieved from [http://blogs.edweek.org/edweek/learning\\_forwards\\_pd\\_watch/2012/02/will\\_common\\_core\\_really\\_lead\\_to\\_college\\_and\\_career\\_readiness.html](http://blogs.edweek.org/edweek/learning_forwards_pd_watch/2012/02/will_common_core_really_lead_to_college_and_career_readiness.html)

A lack of rigor leaves students “adrift” in college. (2011, February 9). *NPR*. [Book review]. <http://www.npr.org/2011/02/09/133310978/in-college-a-lack-of-rigor-leaves-students-adrift>

Leonard, J. (2011, January 4). Creativity and critical thinking – Part II. From *Skills Pages Youth Employment Blog*. Retrieved from <http://skillspages.com/blog/?p=295>

Moore, B. & Stanley, T. (2010). How do critical thinking skills enhance student achievement? In *Critical Thinking and Formative Assessments: Increasing the Rigor in Your Classroom* (chapter three). Retrieved from [http://www.eyoneducation.com/bookstore/client/client\\_pages/samplechapters/7126-3.pdf](http://www.eyoneducation.com/bookstore/client/client_pages/samplechapters/7126-3.pdf)

Problem solving and critical thinking. (n.d.). *Skills to Pay the Bills: Mastering Soft Skills for Workplace Success*, 98-113. Retrieved from <http://www.dol.gov/odep/topics/youth/softskills/softskills.pdf>

Silva, E. (2008). *Measuring skills for the 21st century* [Report]. Retrieved from [http://www.educationsector.org/usr\\_doc/MeasuringSkills.pdf](http://www.educationsector.org/usr_doc/MeasuringSkills.pdf)

Smigelski, J. (2010, May 18). Critical thinking is essential in every college class. *The Huffington Post*. Retrieved from [http://www.huffingtonpost.com/joseph-smigelski/critical-thinking-is-esse\\_b\\_577569.html](http://www.huffingtonpost.com/joseph-smigelski/critical-thinking-is-esse_b_577569.html)  
Teaching first-year students. (2012). Retrieved from <http://cft.vanderbilt.edu/teaching-guides/interactions/firstyears/>

#### **09. Selecting student products that will demonstrate their critical thinking skills.**

Jenkins, K. (2011, January 31). Five tech projects that foster creativity and critical thinking. Retrieved from <http://www.inhabitots.com/5-outside-the-box-projects-that-foster-creativity-critical-thinking/>  
MmeTheisen. (n.d.). Critical thinking and problem solving. Retrieved from <http://www.scribd.com/doc/42259890/Critical-Thinking-and-Problem-Solving>  
ReallyRachel. (n.d.). Strategies and activities to promote creative and critical thinking. *Minds in Bloom [Blog]*. Retrieved from <http://www.squidoo.com/mindsinbloom>  
Scratch: Imagine, program, share. (n.d.). *Massachusetts Institute of Technology*. Retrieved from <http://scratch.mit.edu/projects/sydust/1060053>

#### **10. Dispositions for critical thinking**

Baum, L. (2011). Attitudes and dispositions. *Fostering Critical and Creative Thinking in the K12 Classroom*. Retrieved from <http://www.ideas.soe.vt.edu/handouts/AttitudesDisposition.pdf>  
Blanch, A. (2010, June 15). Being a good thinker: Critical thinking. *Goannatree*. Retrieved from <http://www.goannatree.com/2010/scholar/christian-scholar/being-good-thinker-critical-thinking/>  
Erickson, L. (2006). The thinking classroom. In *Concept-Based Curriculum and Instruction for the Thinking Classroom* (chapter one). Retrieved from [http://www.sagepub.com/upm-data/11469\\_Erickson\\_Ch\\_1.pdf](http://www.sagepub.com/upm-data/11469_Erickson_Ch_1.pdf)  
Grace, N. (n.d.). Creative and critical thinking: Assessing the foundations of a liberal arts education. Retrieved from [http://www3.wooster.edu/teagle/creativity\\_characteristics.php](http://www3.wooster.edu/teagle/creativity_characteristics.php)  
JSwift. (n.d.). The disposition toward critical thinking. *Telacommunications*. Retrieved from <http://www.telacommunications.com/nutshell/cthinking3.htm>  
Reichenbach: An introduction to critical thinking. (n.d.). *McGraw Hill Higher Education*. Retrieved from [http://www.mhhe.com/socscience/philosophy/reichenbach/m1\\_chap02studyguide.html](http://www.mhhe.com/socscience/philosophy/reichenbach/m1_chap02studyguide.html)  
Vardi, I. (1999). Critical and creative thinking: How can it be fostered and developed at the tertiary level? Retrieved from [http://otl.curtin.edu.au/professional\\_development/conferences/tlf/tlf1999/vardi.html](http://otl.curtin.edu.au/professional_development/conferences/tlf/tlf1999/vardi.html)