

# BRAIN-BASED TEACHING AND LEARNING

BUILDING BLOCKS OF

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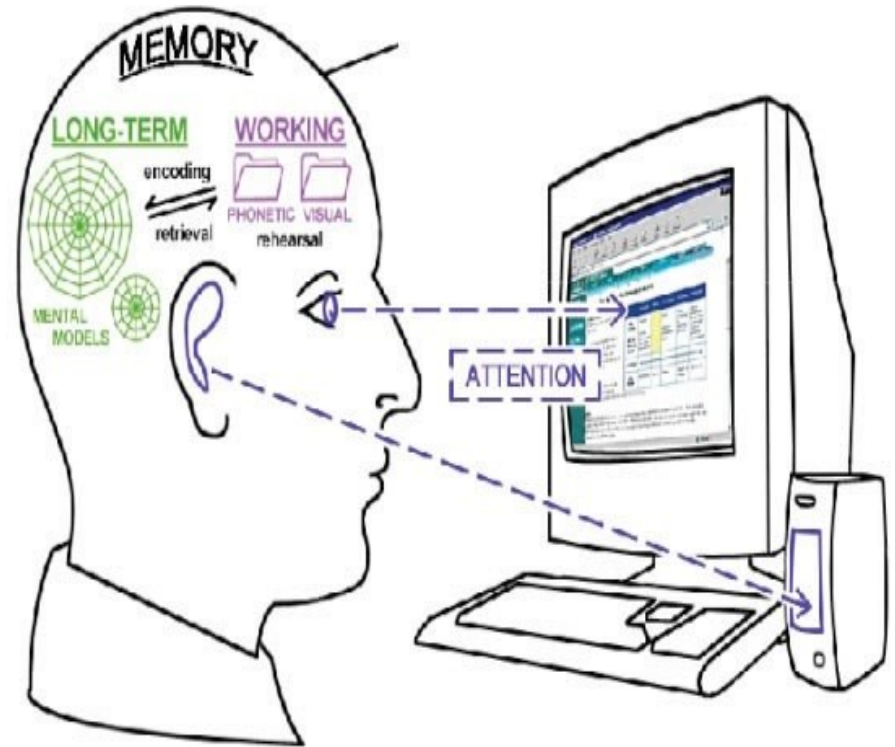
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Compiled by Edna Böhmer, December 2014,  
updated May 2019



<https://za.pinterest.com/explore/brain-based-learning/>

- 152.3 PIE Piek, J.P.  
**Infant motor development.** [2006]
- 153 BUZ Buzan, T.  
**The ultimate book of mind maps : unlock your creativity, boost your memory, change your life.** 2005
- 153 MAK  
**Making the most of your brain.** 2002
- 153.14 BUZ Buzan, J.  
**The mind map book.** 2007
- 155 BER Bergen, D.  
**Human development : traditional and contemporary theories.** [2008]
- 155.4 BRA Brain, C.  
**Understanding child psychology.** 2005
- 155.413 ROB Robson, S.  
**Developing thinking and understanding in young children : an introduction for students.** [2012]
- DV 155.5 TEE  
**The teenage brain : a work in progress.** 2007  
*1 DVD (43 min.)*
- 300.71 TAT Tate, M.L.  
**Social studies worksheets don't grow dendrites : 20 instruction strategies that engage the brain.** 2012
- 370.11 MAR Marzano, R.J.  
**The new taxonomy of educational objectives.** 2007
- 370.115 WAR Waring, M.  
**Understanding pedagogy : developing a critical approach to teaching and learning.** 2015
- 370.15 ARM Armstrong, T.  
**The power of adolescent brain : strategies for teaching middle and high school students.** 2016
- 370.15 CHI Child, D.  
**Psychology and the teacher.** 2007



<https://learningsnippets.wordpress.com/tag/cognitive-load-theory/>

DV 612.82 BRA  
**The brain : developing memory in developing brains, birth to five years.** 2010  
*1 DVD (21 min.)*

M 612.82 UND  
**Understanding the brain.** 2007  
*6 DVDs (1080 min.) ; 1 Course guide*

618.92855 BRA  
**Brain, behaviour and learning in language and reading disorders.** [2008]

649.1 TAT Tate, M.L.  
**Preparing children for success in school and life : 20 ways to enhance your child's brain power.** [2011]

649.123 SCHI Schiller, P.  
**Start smart : building brain power in the early years.** 2012

658.3124 SIL Silberman, M.L.  
**Training the active training way : 8 strategies to spark learning and change.** [2006]

700.71 SOU Sousa, D.A.  
**From STEM to STEAM : using brain-compatible strategies to integrate the arts.** 2013

370.15 MOR MORRISON, M.K.  
**Using humor to maximise living : connecting with humor.** 2012

370.152 BUO Buoncristiani, M.  
**Developing mindful students, skilful thinkers, thoughtful schools.** 2012

370.152 FEU Feuerstein, R.  
**What learning looks like : mediated learning in theory and practice, K-6.** [2012]

370.152 HYE Hyerle, D.  
**A field guide to using visual tools.** 2000

370.152 MAR Margulies, N.  
**Visual thinking : tools for mapping your ideas.** [2005]

370.1522 ALL Alloway, T.P.  
**Improving working memory : supporting students' learning.** 2011

370.1522 FOG Fogarty, R.  
**Brain-compatible classrooms.** 2009

370.1523 ARM Armstrong, T.  
**Multiple intelligences in the classroom.** 2009

370.1523 BEL Bellanca, J.A.  
**200+ active learning strategies and projects for engaging students' multiple intelligences.** [2009]

370.1523 BLA Blakemore, S.J.  
**Learning brain : lessons for education.** 2005

DV 370.1523 BRA  
**Brain compatible practices for the classroom special education.** 2008  
*1 DVD (56 min.)*

370.1523 CAL Call, N.  
**The thinking child : brain-based learning for foundation stage.** 2003

- 370.1523 CAR Carolus, D.  
**'n Leerprogram vir meervoudige intelligensie in tegnologie vir die intermediêre skoolfase van die Mitchells Plein streek.** 2005
- 370.1523 CAV Caviglioli, D.  
**Thinking visually : step-by-step exercises that promote visual, auditory and kinesthetic learning.** 2003
- 370.1523 CEL  
**Celebrating every learner : activities and strategies for creating a multiple intelligences classroom.** 2010
- 370.1523 CON Connell, J.D.  
**Brain-based strategies to reach every learner.** [2005]
- 370.1523 DAR Darling-Kuria, N.  
**Brain-based early learning activities : connecting theory and practice.** 2010
- 370.1523 FIS Fisher, R.  
**Teaching children to learn.** 2005
- 370.1523 FLE Fleetham, M.  
**Multiple intelligences in practice : enhancing self-esteem and learning in the classroom.** 2006
- 370.1523 FOG Fogarty, R.  
**Brain-compatible classrooms.** 2009
- 370.1523 GAN Gangwer, T.  
**Visual impact, visual teaching, using images to strengthen learning.** [2009]
- 370.1523 GOL Golon, A.S.  
**Visual-spatial learners : differentiation strategies for creating a successful classroom.** [2008]
- 370.1523 GRE Gregory, G.  
**Designing brain-compatible learning.** [2006]
- 370.1523 GRE Gregory, G.  
**Think big, start small : how to differentiate instruction in a brain-friendly classroom.** [2012]
- 374.130281 TAT Tate, M.L.  
**"Sit & get" won't grow dendrites : 20 professional learning strategies that engage the adult brain.** 2012
- 428.0071 GRE Gregory, G.  
**Differentiated literacy strategies for English language learners, grades 7-12.** [2012]
- 428.4071 SOU Sousa, D.A.  
**How the brain learns to read.** 2008
- 507.6 OBR O'Brien, T.  
**Brain-powered science teaching and learning with discrepant events.** [2010]
- 507.6 OBR O'Brien, T.  
**Even more brain-powered science teaching and learning with discrepant events.** [2011]
- 507.6 OBR O'Brien, T.  
**More brain-powered science teaching and learning with discrepant events.** [2011]
- 507.6 TAT Tate, M.L.  
**Science worksheets don't grow dendrites : 20 instructional strategies that engage the brain.** 2011
- 510.71 SOU Sousa, D.A.  
**How the brain learns mathematics.** [2010]
- 510.76 OBR O'Brien, T.  
**More brain-powered science teaching and learning with discrepant events.** [2011]
- 612.803 SYL Sylvester, R.  
**How to explain a brain : how neuroscience supports the learner-friendly classroom.** 2011

372.35 WAR Ward, H.  
**Using their brains in science : ideas for children aged 5 to 14.** 2007

372.35044 PLA Plaster, L.  
**Incredible edible science : recipes for developing science and literacy skills.** [2010]

372.4019 NEV Neville, P.  
**Build the brain for reading, grades 4-12.** [2011]

372.4019 NEV Neville, P.  
**Building the reading brain, preK-3.** 2009

372.4019 WIL Wills, J.  
**Teaching the brain to read : strategies for improving fluency, vocabulary and comprehension.** [2008]

372.43 LYO Lyons, C.A.  
**Teaching struggling readers how to use brain-based research to maximize learning.** 2003

372.7 BEN Bender, W.N.  
**Differentiated math instruction : strategies that work for K-8 classrooms.** 2009

372.7044 SOU Sousa, D.A.  
**Brain-compatible activities for mathematics. Grades 2-3.** 2010

372.868 LEN Lengel, T.  
**The kinesthetic classroom : teaching and learning through movement.** 2010

373.1102 CRA Crawford, G.B.  
**Brain-based teaching with adolescent learning in mind.** [2007]

373.1102 FEI Feinstein, S.  
**Secrets of the teenage brain : research-based strategies for reaching and teaching today's adolescents.** [2009]

370.1523 GUN Gunn, A.M.  
**Igniting student potential : teaching with the brain's natural learning process.** 2007

370.1523 HAR Hardiman, M.M.  
**The brain-targeted teaching model for 21-century schools.** 2012

270.1523 HAT Hattle, J.  
**Visible learning and the science of how we learn.** 2014

370.1523 JEN Jensen, E.  
**Brain-based learning : the new paradigm of teaching.** 2008

370.1523 JEN Jensen, E.  
**Enriching the brain : how to maximize every learner's potential.** 2008

370.1523 JEN Jensen, E.  
**Teaching with the brain in mind.** 2005

370.1523 JOS  
**The Jossey-Bass reader on the brain and learning.** [2008]

370.1523 MACN McNeil, F.  
**Learning with the brain in mind : a practical guide for teachers.** 2009

370.1523 PHI Philip, R.  
**Engaging tweens and teens : a brain-based approach to reaching middle and high school students.** [2007]

370.1523 POH Pohlman, C.  
**Revealing minds : assessing to understand and support struggling learners.** [2008]

370.1523 PRA Prashing, B.  
**Learning styles in action.** 2006

370.1523 PRI Pritchard, A.M.  
**Ways of learning : learning theories and learning styles in the classroom.** 2005

370.1523 REI Reid, G.  
**Learning styles and inclusion.** 2005

370.1523 SCHA Schank, R.C.  
**Teaching minds : how cognitive science can save our schools.** 2011

370.1523 SCHU Schunk, D.H.  
**Learning theories : an educational perspective.** [2008]

370.1523 SMI Smilkstein, R.  
**We're born to learn : using the brain's natural learning process to create today's curriculum.** [2011]

370.1523 SOU Sousa, D.A.  
**How the brain learns.** [2011]

370.1523 SOU Sousa, D.A.  
**How the brain learns. : facilitator's guide.** 2006

370.1523 SOU Sousa, D.A.  
**How the gifted brain learns.** [2009]

370.1523 SPR Sprenger, M.  
**Becoming a "wiz" at brain-based teaching : how to make every year your best year.** 2010

370.1523 SPR Sprenger, M.  
**Brain-based teaching :) in the digital age.** 2010

370.1523 SPR Sprengler, M.  
**Differentiation through learning styles and memory.** 2008

370.1523 STU  
**Student successes with thinking maps school-based research, results and models for achievement using visual tools.** 2004

370.1523 SUM Summerford, C.  
**Action-packed classrooms, K-5 : using movement to educate and invigorate learners.** 2009

370.1523 SYL Sylwester, R.  
**A child's brain : the need for nurture.** [2010]

371.9144 DYS  
**Dyslexia, speech and language : a practitioner's handbook.** 2006

371.94 OEH Oehlberg, B.  
**Reaching and teaching stressed and anxious learners in grades 4-8 : strategies for relieving distress and trauma in schools and classrooms.** 2006

371.95 CLA Clark, B.  
**Growing up gifted : developing the potential of children at school and at home.** [2013]

372.1102 GUR Gurian, M.  
**Strategies for teaching boys and girls, elementary level : a workbook for educators.** 2008

372.1394 FOR Forsten, C.  
**Differentiated instruction : strategies for different learners.** 2002

372.1394 HAM Hamm, M.  
**Differentiated instruction for K-8 math and science : activities and lesson plans.** [2008]

372.1394 TOM Tomlinson, C.A.  
**Managing a differentiated classroom : a practical guide, grades K-8.** 2011

372.21 GEL Gellens, S.R.  
**Building brains : 600 activity ideas for young children.** 2013

372.21 HAN  
**Handbook of child development and early education : research to practice.** [2009]

372.21 WIL Wilford, S.  
**Nurturing young children's disposition to learn.** 2009

372.32 BRO Brooks, J.G.  
**Big science for growing minds : constructivist classrooms for young thinkers.** 2011

371.394 WES West-Burnham, J.  
**Personalizing learning : transforming education for every child.** 2005

371.394504 SOU Sousa, D.A.  
**Differentiation and the brain : an educator's handbook of brain terms and cognitive processes.** 2005

371.782 REC  
**Reclaiming school in the aftermath of trauma : advice based on experience.** 2012

371.821 NOR  
**Active lessons for active brains : teaching boys and other experiential learners, grade 3-10.** 2011

371.9 DIT Dittrich, W.H.  
**Educating children with complex conditions : understanding in overlapping and co-existing developmental disorders.** 2008

371.9 JEN Jensen, T.  
**Different brains, different learners : how to reach the hard to reach.** 2010

371.9 SOU Sousa, D.A.  
**How the special needs brain learns.** 2007

371.90447 CLA Clausen-May, T.  
**Teaching maths to pupils with different learning styles.** 2005

371.9046 RIE Rief, S.P.  
**How to reach and teach all children in the inclusive classroom.** [2006]

371.90472 LIC Lickey, D.C.  
**Starting with their strengths : using the project approach in early childhood special education.** 2011

371.9144 BEN Bender, W.N.  
**Reading strategies for elementary students with learning difficulties : strategies for RTI.** [2009]

370.1523 TWE  
**12 brain/mind learning principles in action : developing executive functions of the human brain.** 2009

370.1523 WIL Willis, J.  
**Research-based strategies to ignite student learning : insights from a neurologist and classroom teacher.** [2006]

370.1523 WIL Wilson, D.  
**Five big ideas for effective teaching : connecting mind, brain and education research to classroom practice.** 2013

370.1523 WIL Wilson, D.  
**Teaching students to drive their brains : metacognitive strategies activities and lesson ideas.** 2016

370.1523 WOL Wolfe, P.  
**Brain matters : translating research into classroom practice.** 2010

370.153 BEA Beaudoin, M.  
**Boosting all children's social and emotional brain power : life transforming activities.** 2014

370.153 MIN  
**The MindUp curriculum. Grades Pre-K-2.** [2011]  
 Separate books for grades 3-5 and grades 6-8

371.102 BIF Biffle, C.  
**Whole brain teaching for challenging kids (and the rest of your class, too!)** 2013

371.102 CAM Campbell, L.  
**Mindful learning : 101 proven strategies for student and teacher success.** [2009]

371.102 JEN Jennings, P.A.  
**Mindfulness for teachers : simple skills for peace and productivity in the classroom.** 2015

371.102 JEN Jensen, E.  
**Super teaching : over 1000 practical strategies.** 2009

371.102 PRA Prashnig, B.  
**The power of diversity : new ways of learning and teaching through learning styles.** 2008

371.102 SRA Stanley, J.  
**Super teacher's six success steps : winning teaching methods with active brain based learning and teaching.** 2013

371.102 TIL Tileston, D.W.  
**Teaching strategies for active learning : five essentials for your teaching plan.** 2007

371.102 TIL Tileston, D.W.  
**10 best teaching practices : how brain research and learning styles define teaching competencies.** [2011]

M 371.252 DIF  
**Differentiated instruction management : work smarter not harder : a multimedia kit for professional development.** 2009  
*1 DVD (65 min.) ; 1 Book ; 1 Facilitator's guide*

371.3 EVA Evanski, J.  
**Classroom activators : more than 100 ways to energize learners.** [2009]

371.3028 TAT Tate, M.L.  
**Worksheets don't grow dendrites : 20 instructional strategies that engage the brain.** 2010

371.30281 FRE Frender, G.  
**Learning to learn : strengthening study skills and brain power.** 2014

371.335 STU  
**Student successes with Thinking Maps : school-based research, results and models for achievement using visual tools.** [2011]

371.36 KRA Krauss, J.  
**Thinking through project-based learning : guiding deeper inquiry.** [2013]

DV 371.394 DIF  
**Differentiated instruction and curriculum mapping : what's the fit?** 2010  
*1 DVD (124 min.)*

371.394 DOD Dodge, J.  
**Differentiation in action.** 2005

371.394 FOG Fogarty, R.  
**Supporting differentiated instruction : a professional learning communities approach.** [2011]

371.394 GRE Gregory, G.  
**Differentiated instructional strategies : one size doesn't fit all.** [2007]

M 371.394 HEA Heacox, D.  
**Differentiating instruction in the regular classroom : how to reach and teach all learners, grades 3-12.**  
*1 Book ; 1 CD-ROM*

371.394 KAU Kaufeldt, M.  
**Teachers, change your bait! : brain-compatible differentiated instruction.** 2005

371.394 OME O'Meara, J.  
**Beyond differentiated instruction.** 2010

371.394 SIL Silver, A.F.  
**Task rotation : strategies for differentiating activities and assessments by learning style.** [2011]

371.394 SOU Sousa, D.A.  
**Differentiation and the brain : how neuroscience supports the learner-friendly classroom.** 2011

371.394 STR Straver, B.  
**Strategies for differentiating in the content areas.** 2007

371.394 TOM Tomlinson, C.A.  
**Leadership for differentiating schools + classrooms.** 2000

371.394 UNI  
**Universal design for learning in the classroom : practical applications.** 2012