



RESEARCH SUMMARY

(Aug. 12, 2025)



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This document provides a summary of the research for each tool within the LTK and a list of published works, conferences, reports, and media articles. Each section is organized by continent in which the **study took place**. Under ABRACADABRA, third party assessments are also listed.

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Learning Toolkit+

Publications

- Arshad-Ayaz, A, Ayaz Naseem, M., & Inyega, J. (2022). Using technology for learning: Generalizable lessons from educational technology integration in Kenya. *Canadian Journal of Learning and Technology*, 48(2), 1-19
<https://cilt.ca/index.php/cilt/article/download/27957/20639/75447>
- Lysenko, L., Abrami, P.C., & Wade, A. (2022). Sustainability and scalability of digital tools for learning: The Learning Toolkit+ in Kenya. *Canadian Journal of Learning and Technology*. 48(1), 1-29.
<https://doi.org/10.21432/cjlt27961>
- Abrami, P. C. (2011). A toolkit for learning: Using technology to close the gap. *Education Canada*, 51(2), 54-57.
<http://www.ccea-ace.ca/education-canada/article/toolkit-learning-using-technology-close-gap>
- Abrami, P.C., Savage, R.S., Deleveau, G., Wade, A., Meyer, E. & Lebel, C. (2010). The Learning Toolkit: The design, development, testing and dissemination of evidence-based educational software. In P. Zemliansky & D.M. Wilcox (Eds.), *Design and implementation of educational games: Theoretical and practical perspectives* (pp. 168-187). IGI Global. <http://dx.doi.org/10.4018/978-1-61520-781-7.ch012>

Conferences

- Del Col, N., Wade, A., & Changamire, V. (2022, April 21). Academic-NGO Research Partnerships in International Development: Two case studies in Africa, Asia and America. Paper presented at the annual conference of Comparative and International Education Society. Minneapolis, MN.
- Amaro, D., Buchbinder, N., Castillo-Canales, D., Comba, R., Janigan, T., Lysenko, L., (2022, April 18). Adaptation of education innovations in the Global South: Reflections from Knowledge and Innovation Exchange projects. Preconference workshop at the annual conference of Comparative and International Education Society. Minneapolis, MN
- Abrami, P.C. (2019, May). Organizer and chair of the panel “The Learning Toolkit + in Kenya” at the Annual Conference of the Canadian Association of African Studies, Penser l’Afrique-Monde : Originalité et pratiques innovantes, Montreal, QC
- Lysenko, L., Wade, A., & Abrami, P.C. (2019, May). Teaching with LTK+. Preliminary lessons about sustainability and scale-up in Kenya schools. Paper presented at the Annual Conference of the Canadian Association of African Studies, Penser l’Afrique-Monde : Originalité et pratiques innovantes, Montreal, QC

Reports

- Abrami, P. C., Lysenko, L., Wade, A., Marsh, J., Del Col, N., WaGioko, M., & Head, J. (2020, Dec. 31). *Teaching and learning with technology in Sub-Saharan Africa*. International Development Research Centre (IDRC) Final Report.

Media

- LTK+ Newsletter: Spring-Summer 2025. (2025, July). CSLP.
https://www.concordia.ca/content/dam/artsci/research/cslp/docs/notice/2025/LTK-Newsletter-2025_20250728_FINAL_v3.pdf
- The LTK+ and the learning crisis in LMICs. (2025, April). CSLP <https://www.youtube.com/watch?v=yRhWifhimYI>



LTK+ Newsletter: Spring-Summer 2024. (2024, July). CSLP. https://www.concordia.ca/content/dam/artsci/research/cslp/docs/ltknewsletters/LTK-Newsletter-2024_A_FINAL_v3.pdf

Lach-Aidelbaum, M. (2023, Sept.12). *Concordia’s Learning Toolkit+ marks 20 years of advancing literacy and math worldwide*. <https://www.concordia.ca/news/stories/2023/09/12/concordia-s-learning-toolkit-marks-20-years-of-advancing-literacy-and-math-worldwide.html?c=/research/learning-performance/news>

Philip Abrami and the Learning Toolkit celebrated as Robert Cassidy takes the reigns (2023, Sept. 7). *Concordia News*. <https://www.concordia.ca/cunews/artsci/learning-performance/2023/09/07/philip-abrami-and-the-learning-toolkit-celebrated-as-robert-cass.html?c=/research/learning-performance/news>

LTK+ Newsletter: Summer 2022-23. (2023, July). CSLP. <https://www.concordia.ca/cunews/artsci/learning-performance/2023/08/01/the-ltk-team-releases-its-2023-annual-newsletter.html?c=/research/learning-performance/news>

LTK+ Newsletter: Summer 2021-22. (2022, August). CSLP. <https://www.concordia.ca/cunews/artsci/learning-performance/2022/08/01/the-ltk-team-releases-its-2022-annual-newsletter.html?c=/research/learning-performance/news>

LTK+ Newsletter: Summer 2020-21. (2021, August). CSLP. <https://www.concordia.ca/cunews/artsci/learning-performance/2021/08/01/the-ltk-team-releases-its-2021-annual-newsletter.html?c=/research/learning-performance/news>

LTK+ Newsletter: Summer 2019-20. (2020, August). CSLP. <https://www.concordia.ca/cunews/artsci/learning-performance/2020/08/01/the-ltk-team-releases-its-2020-annual-newsletter.html?c=/research/learning-performance/news>



Summary of Research

ABRACADABRA is based on the best available research on how children learn to read and the best available research on using technology for learning. Research is the bedrock on which ABRA, and our other tools, were designed and developed. ABRA has also been the subject of extensive efforts at validation over the years. Consequently, it is fair to claim that ABRA is both evidence-based and evidence-proven.

The most recent systematic review by Abrami, Lysenko and Borokhovsky (2020) summarizes substantial validation research on ABRA from 17 rigorous studies conducted between 2006 and 2019 in North America, the UK, Australia, Asia, and Africa. Including also true experimental randomized control trials and third-party assessments conducted, this research demonstrates uniformly positive effects of ABRA and, more recently, READS. Overall, the average adjusted effect size based on 91 comparisons and 7,388 students is +0.256 with the range of positive effects in all reading-related skills. The effects are generalizable across country contexts and measurement approaches. Importantly, ABRA research is ongoing and the results of a few more studies have been published since 2019 (for instance, Arciuli & Bailey, 2021; Gu et al., 2021) and are waiting to be incorporated into effect size estimates.



Population Estimates by Outcome Category	k (# of comparisons)	Average Effect Size		Percentile Advantage (adjusted ES)
		Non-adjusted	Adjusted ^c	
Phonics	23	0.187**	0.263***	10
Phonemic Awareness	23	0.378***	0.299***	12
Reading Fluency	7	0.088	0.181**	7
Reading Comprehension	11	0.180**	0.244**	9
Listening Comprehension	9 ^b	0.274*	0.313**	12
Vocabulary Knowledge	18	0.080	0.183**	7
Overall	91	0.200***	0.256***	10

*** p < .001, ** p < .01, * p < .05

^a Weighted Average Effect size (random effects model) for Major Reading Outcome Categories and Heterogeneity Analysis (fixed effect model)

^b One outlier removed

^c HLM-based effects were used to predict the effect sizes from the non-HLM studies

Since 2012 other research projects on the impact of ABRA have been unfolding in Hong Kong, China, Kenya, the United Kingdom and Australia. Most recently, the feasibility of ABRA and READS implementation is being piloted in primary schools in Rwanda and Bangladesh. See for example: <http://www.concordia.ca/research/learning-performance/tools/learning-toolkit.html#international>

In Kenya, eight ABRA-READS studies were completed between 2012 and 2019. The results of five quasi-experiments conducted with the total sample of 2,740 primary school students in grades 1 to 3 yielded the overall adjusted effect size of +0.427. The specific effects sizes were +0.417 for listening comprehension, +0.365 for vocabulary knowledge and +0.527 for reading comprehension (Abrami et al., 2020). The primary research (Abrami et al., 2016; Lysenko et al., 2019) shows that ABRA-READS benefitted students across grade levels and genders about equally. While all students learned, low-performing students and struggling readers were often able to learn the most. The improvements also often transferred to other subject areas.

In 2022-2023, an important validation study of the ABRA program is being completed in Kenya and Rwanda. This research investigates the effects of the ABRA teacher professional development and subsequent implementation of ABRA in on the students' English literacy skills. The Kenyan arm of this research has been completed and the data are being analyzed whereas the research arm in Rwanda is still in progress.

Awards

UNESCO. (2017, Sept.). UNESCO King Sejong Literacy Prize. <https://en.unesco.org/news/technology-helps-develop-literacy-and-numeracy-sub-saharan-africa>

Canadian Network for Innovation in Education (2011). Award of Merit for Excellence and Innovation in Overall Use of Technology for Learning

Association for Educational Communications and Technology Design & Development (2010). Outstanding Practice Award.



Canadian Studies

Journals

Uribe-Banda, C., Wood, E., Gottardo, A., Wade, A., Iminza, R., & WaGioko, M. (2021). Evaluating teachers' learning, perceptions, and cultural differences following professional development for early literacy software. *Canadian Journal of Learning & Technology*, 47(2), 1–19. <https://doi.org/10.21432/cjlt27952>

Abrami, P. C., Lysenko, L. & Borokhovski, E. (2020). The effects of ABRACADABRA on reading outcomes: An updated meta-analysis and landscape review of applied field research. *Journal of Computer-Assisted Learning*. <https://doi.org/10.1111/jcal.12417>

Chapleau, N., Beaupré-Boivin, K. & Godin, M-P. (2020). Éveiller la construction des mots dès le premier cycle du primaire. *Vivre le primaire*, 33(3), 8-10. <https://aqep.org/revue-vivre-le-primaire/>

Chapleau, N. & Godin, M.-P. (2019, Juillet 10). Processus d'élaboration d'une activité en morphologie dérivationnelle pour la ressource en ligne ABRACADABRA. *Revue de recherches en littératie médiatique multimodale*, 9. <https://doi.org/10.7202/1062033ar>

Long, M.-J., & Brodeur, M. (2016). ABRACADABRA : pprendre à lire et à écrire en jouant! *Canada Education*, 56(4). <http://www.cca-ace.ca/fr/education-canada/article/abracadabra-apprendre-%C3%A0-lire-et-%C3%A0-%C3%A9crire-en-jouant>

Wood, E., Grant, A.K., Gottardo, A., Savage, R. & Evans, M.A. (2016). Software to promote young children's growth in literacy: A comparison of online and offline formats. *Early Childhood Education Research Journal*. <http://dx.doi.org/10.1007/s10643-016-0779-9>

Abrami, P. C., Borokhovski, E., & Lysenko, L. (2015). The effects of ABRACADABRA on reading outcomes: A meta-analysis of applied field research data. *Journal of Interactive Learning Research* 26(4), 337-367.

Lysenko, L., Borokhovski, E., Abrami, P. C., & Wade, A. (2014). Improving literacy skills with ABRACADABRA. *Perspectives on Language and Literacy*, 40(3), 11-15. www.interdys.org

Piquette, N., Savage, R., & Abrami, P. C. (2014). A cluster randomized control field trial of the ABRACADABRA web-based reading technology: Replication and extension of basic findings. *Frontiers in Psychology*, 5(1413). <http://dx.doi.org/10.3389/fpsyg.2014.01413>

Wood, E., Grant, A., Gottardo, A., & Savage, R. S. (2014). Evaluating online and offline reading software for young learners. *Global Journal on Technology* [Online], 5, 99-104. www.awer-center.org/pitcs

Savage, R., Abrami, P. C., Piquette-Tomei, N., Wood, E., Deleveaux, G., Sanghera-Sidhu, B., & Burgos, G. (2013). A (pan-Canadian) cluster randomised control effectiveness trial of the ABRACADABRA web-based literacy program. *Journal of Educational Psychology*, 105(2), 310-328. <http://dx.doi.org/10.1037/a0031025>

Di Stasio, M., Savage, R., & Abrami, P. C. (2012). A follow-up study of the ABRACADABRA web-based literacy intervention in grade 1. *Journal of Research in Reading*, 35(1), 69-86. <https://doi.org/10.1111/j.1467-9817.2010.01469.x>

Savage, R. S., Erten, O., Abrami, P. C., Hipps, G., Comaskey, E., & van Lierop, D. (2010). ABRACADABRA in the hands of teachers: The effectiveness of a web-based literacy intervention in grade 1 language arts programs. *Computers & Education*, 55(2), 911-922. <https://doi.org/10.1016/j.compedu.2010.04.002>

Wood, E., Anderson, A., Piquette-Tomei, N., Savage, R., & Mueller, J. (2011). Evaluating teachers' s'pport requests when just-in-time instructional support is provided to introduce a primary level web-based reading program. *Journal of Technology and Teacher Education*, 19(4), 499-525. <http://www.editlib.org/p/34599>

Comaskey, E., Savage, R., & Abrami, P. C. (2009). A randomized efficacy study of web-based synthetic and analytic programmes among disadvantaged urban kindergarten children. *Journal of Research in Reading*, 32(1), 92-108. <https://doi.org/10.1111/j.1467-9817.2008.01383.x>

Deault, L. Savage, R., & Abrami, P. C. (2009). Inattention and response to the ABRACADABRA web-based literacy intervention. *Journal of Research on Educational Effectiveness*, 2(3), 250-286. <https://doi.org/10.1080/19345740902979371>

Savage, R. S., Abrami, P., Hipps, G., & Deault, L. (2009). A randomized controlled trial study of the ABRACADABRA reading intervention program in grade 1. *Journal of Educational Psychology*, 101(3), 590-604. <https://doi.org/10.1037/a0014700>



Books

Savage, R.S., & Wood, E. (2016, Nov.). Literacy technologies and the early years of school. In: R.E. Tremblay, M. Boivin, & R.DeV Peters (Eds.). *Encyclopedia on early childhood development* [online]. <http://www.child-encyclopedia.com/technology-early-childhood-education/according-experts/literacy-technologies-and-early-years-school>

Brodeur, M., Ouellet, C., Perreault, M., & Desrochers, A. (2011). L'an'lphabétisme crée l'ob'igation d'ag'r. In M. Fahmy (Ed.), *L'ét't du Québec 2011* (pp. 373-380). Les éditions Boréal.

Abrami, P.C., Savage, R.S., Deleveaux, G., Wade, A., Meyer, E. & Lebel, C. (2010). The Learning Toolkit: The design, development, testing and dissemination of evidence-based educational software In P. Zemliansky & D.M. Wilcox (Eds.), *Design and implementation of educational games: Theoretical and practical perspectives* (pp. 168-187). IGI Global. <https://www.igi-global.com/gateway/chapter/42453>

Abrami, P. C., Savage, R., Wade, A., Hipsps, G. & Lopez, M. (2008). Using technology to assist children learning to read and write. In T. Willoughby & E. Wood (Eds.), *Children's learning in a digital world* (pp.129-172). Blackwell Publishing. <https://doi.org/10.1002/9780470696682.ch6>

Savage, R. & Abrami, P. C. (2007). ABRACADABRA: Progress in the development, implementation and effectiveness of a web-based literacy resource. In Association for the Advancement of Computing in Education (AACE), *E-Learn 2007: World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education* [Compact disc]. AACE.

Savage, R. & Abrami, P. C. (2007). ABRACADABRA: Progress in the development, implementation, and effectiveness of a web-based literacy resource. In R. Bastiaens & S. Carliner (Eds.), *Proceedings of E-Learn 2007: World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education*. AACE.

Hipsps, G., Abrami, P. C., & Savage, R. (2005). ABRACADARA: The research, design and development of web-based early literacy software. In S. Pierre (Ed.), *Développement, intégration et évaluation des technologies de formation et d'ap'rentissage (DIVA). Innovations et tendances en technologies de formation et d'apprentissage* (pp. 89-112). Presses Internationales Polytechnique.

Conferences

Chapleau, N., Godin, M.-P., Brodeur, M., Laplante, L., et Turcotte, C. (2017). ABRACADABRA : ne technologie éducative pour apprendre à lire et à écrire. Communication proposée dans le cadre du 30e c'ngres de l'Association québécoise des enseignantes et des enseignants du primaire. Montréal, QC, Canada.

Lysenko, L., & Abrami, P. C. (2014, April). Promoting reading comprehension with the use of technology. Paper presented at the American Educational Research Association (AERA) Annual meeting, Philadelphia, PA.

Brodeur, M., St-Pierre, L., & Charland, M. (2013, November). ABRACADABRA : ne ressource pour les parents qui accompagnent leur enfant dans l'apprentissage de la lecture. Paper presented at the Grandes rencontres sur la persévérance scolaire (GRPS), 3e édition, Montreal, QC, Canada.

Savage, R., Abrami, P. C., Piquette-Tomei, N., Wood, E., Deleveaux, G., & Sanghera-Sidhu, B. (2011, April). A cluster randomized control trial of the ABRACADABRA web-based literacy program. Invited presentation presented at the Council for Exceptional Children Convention & Expo, National Harbor, MD, USA.

Savage, R., Piquette-Tomei, N., & Wesley, D. (2011, April). School-based effectiveness of the ABRACADABRA web-based literacy program: A randomized control trial with school professionals. Paper presented at the British Dyslexia Association.

Abrami, P. C., Savage, R., Wade, A., Deleveaux, G., & Lebel, C. (2010, March). ABRACADABRA: An evidence-based tool for early literacy. Seminar presented at the 35th Learning Disabilities Association of Quebec (LDAQ) annual conference, Montreal, QC, Canada.

Deleveaux, G., & Wade, A. (2010, May). ABRACADABRA: 21st century evidenced-based software designed to assist children develop literacy skills and to provide support for teachers and parents who guide them. Paper presented at the Association of Early Childhood Educators of Quebec, Montreal, QC, Canada.



Savage, R. S., Ozlem, E., Abrami, P. C., Hipps, G., Comaskey, E., & Van Lierop, D. (2010, May). ABRACADABRA in the hands of teachers: The effectiveness of a web-based literacy intervention in Grade 1 language arts programs. Paper presented at the Canadian Society for the Study of Education (CSSE) and the Canadian Association of Educational Psychology (CAEP) Annual Conference, Montreal, QC, Canada.

Abrami, P.C., Deleveaux, G., & Savage R. (2009, March). ABRACADABRA: A literacy resource for Aboriginal learning. Paper presented at the 2009 Aboriginal Policy Research Conference, Ottawa, ON, Canada.

Sanghera-Sidhu, B., Deleveaux, G., Abrami, P. C., & Savage, R. (2009, June). Measuring treatment integrity of an evidence-based intervention study: Practical implications examined for the 2007-2009 Pan-Canadian, ABRACADABRA web-based literacy study. Poster presented at the annual convention of the Canadian Psychological Association, Montreal, QC, Canada.

Sanghera-Sidhu, B., Rocchi, J., Di Stasio, M., & Savage, R. S. (2009, March). Exploration of ABRACADABRA a web-based literacy tool & an examination of the practical implications of conducting a Pan-Canadian study. Paper presented at the Education for a Diverse World: Addressing Equity & Human Rights Eighth Annual Education Graduate Students' Society (EGSS) Conference, Montreal, QC, Canada.

Savage, R., Abrami, P. C., Piquette-Tomei, N., Wood, E., & Deleveaux, G. (2009, June). ABRACADABRA: An effective web-based literacy resource: Evidence from a randomized control trial with classroom teachers. Paper presented at the Society for the Scientific Study of Reading (SSSR), Boston, MA, USA.

Savage, R., Abrami, P. C., Comaskey, E., Hipps, G., & Wade, A., (2007, June). ABRACADABRA: An evidence-based approach to early literacy instruction through web software. Paper presented at the 6th Annual Canadian Language and Literacy Network (CLLRNet) Conference, Calgary, AB, Canada.

Zhou, M. Muzard, R., Therrien, M., Hipps, G., & Abrami, P. C. (2005, July). ABRACADABRA: A rich internet literacy application. Paper presented at the EDMedia Conference, Montreal, QC, Canada.

Zhou, M., Muzard, R., Therrien, M., Hipps, G., & Abrami, P. C. (2005, May). ABRACADABRA : rich internet literacy application. Paper presented at the 4e Colloque annuel Développement, intégration et évaluation des technologies de formation et d'apprentissage (DIVA), Montreal, QC, Canada.

Zhou, M., Muzard, R., Therrien, M., Hipps, G., & Abrami, P. C. (2005, April). ABRACADABRA: A rich internet literacy application. Paper presented at the American Educational Research Association, Montreal, QC, Canada.

Dissertations and Reports

Uribe-Banda, C. (2019). Learning, attitudes, and perceptions: Evaluating teachers acquiring competence with online literacy programs for children. [Master's thesis, Wilfrid Laurier University]
<https://scholars.wlu.ca/etd/2166>

Chapleau, N., et Beaudré-Boivin, K. (2018). Des mots rapides. Activité pour reconnaître les mots globalement. Document inédit. Université du Québec à Montréal.

Flis, A. (2018). ABRACADABRA: The effectiveness of a computer-based reading intervention program for students at-risk for reading failure, and students learning English as a second language [Doctoral dissertation, University of British Columbia].
<https://open.library.ubc.ca/soa/cIRcle/collections/ubctheses/24/items/1.0363396>

Sanghera-Sidhu, S.B. (2016). Pan-canadian ABRACADABRA follow-up: What do we know four years later about students' and teachers' responsiveness to being part of an intervention study? [Doctoral thesis, McGill University]

Savage, R. S., Abrami, P., Piquette-Tomei, N., Wood, E., & Deleveaux, G. (2008, August). ABRACADABRA: A study in the development, implementation and effectiveness of a web-based literacy resource. A research progress report. Report of pan-Canadian research data analysis submitted to the Canadian Council for Learning and the Canadian Language and Literacy Research Network.

Hipps, G., Wade, A., & Abrami, P. C. (2004, March). Abracadabra: A literacy resource Schoolnet final report. Centre for the Study of Learning and Performance: Montreal, QC, Canada.



Media

Brennan, J. (2020, Apr. 9). Concordia's literacy tools are a key part of the Government of Quebec's new online learning portal for the pandemic. [Wade quoted]. *NOW News*. Available: <http://www.concordia.ca/news/stories/2020/04/09/concordias-literacy-tools-are-key-to-the-government-of-quebecs-new-online-learning-portal-for-the-pandemic.html?c=/research/learning-performance/news>

Barr, M. (2017, Sept. 25). 'We aim to bolster foundational skills': 'Concordia and UQAM receive support to develop a new digital literacy tool for members of the Quebec workforce. <http://www.concordia.ca/cunews/main/stories/2017/09/25/concordia-uqam-abracadabra-adult-literacy-software.html?c=research/learning-performance/news-events>

Dunk, R. (2017, Aug. 30). UNESCO honours Concordia's Centre for the Study of Learning and Performance: The research hub receives a \$20,000 global literacy prize. <http://www.concordia.ca/cunews/main/stories/2017/09/06/sshrc-grants-concordia-2-5-million-for-education-tech-in-sub-saharan-africa.html?c=news/stories>

Casella, L. (2016, Nov. 1). ABRACADABRA literacy program [P.C. Abrami interviewed]. Montreal, QC: Global News. <http://globalnews.ca/video/3037837/abracadabra-literacy-program>

Institute for Effective Education. (2016, Nov.). Is the pen mightier than the computer? [ABRA]. Best Evidence in Brief, 25. <http://www.beib.org.uk/2016/11/is-the-pen-mightier-than-the-computer/>

Staff Reporter. (2016, Nov.). 600 000\$ pour Concordia [ABRACADABRA]. *La Presse*. <http://affaires.lapresse.ca/tetes-daffiche/201611/03/01-5037430-600-000-pour-concordia.php>

Morgan, B. (2016, Aug.). A reading and writing tool - A-RACADABRA [P.C. Abrami interviewed]. Montreal, QC: CJAD.

Quin, L. (2016, Aug.). ABRACADABRA helps autistic children read. *Concordia News*. <http://www.concordia.ca/alumni-friends/cunews/offices/vpaer/aar/2016/08/22/abracadabra-helps-autistic-children-read-.html>

Léger, M.-F. (2015, Sept. 14). ABRACADABRA Apprendre à lire en ligne. *La Presse*. http://plus.lapresse.ca/screens/f8635f1f-da45-4339-a243-ee1db38b6258|_0.html

Le Centre de transfert pour la réussite éducative du Québec. (2015, Sept. 8). Pour que chaque enfant sache lire : lancement du projet Abracadabra! <http://www.ctreq.qc.ca/pour-que-chaque-enfant-sache-lire-lancement-du-projet-abracadabra/>

Latimer, J. (2015, Sept. 8). World Literacy Day: eLearning en français. *Now Concordia*. <http://www.concordia.ca/news/cunews/main/stories/2015/09/08/world-literacy-day-abracadabra-learning-software.html>

Lavoie, A. (2015, Sept. 5). ABRACADABRA : ne porte ouverte sur la lecture. *Le Devoir*. <http://www.ledevoir.com/societe/education/449100/outils-web-abracadabra-une-porte-ouverte-sur-la-lecture>

College of Education and External Studies. (2015, June). ABRACADABRA Learning Toolkit training. <http://cees.uonbi.ac.ke/content/abracadabra-learning-toolkit-training>

Ministère de l'éducation des loisirs et du sport (MELS). (2012, May). Discours de Mme. Line Beauchamp, Ministre de l'Éducation, des Loisirs et du Sport - C-ngrès AQETA 2012 [Video about ABRACADABRA]. Retrieved from <https://docs.google.com/file/d/0B-fYtDJ40gH6d2N6Wk5FeXo2UWc/edit?pli=1>

Cooper, R. (2011, May). Educational software wins national award [ABRA], *Concordia NOW*. <http://www.concordia.ca/now/what-we-do/teaching/20110517/educational-software-wins-national-award.php>

Staff writer. (2011, April). Des chercheurs de la Faculté des sciences de l'éducation adapteront le logiciel d'apprentissage ABRACADABRA. <http://www.nouvelles.uqam.ca/>

Bouchard, C. (2011, March). Apprentissage du français: Plus de 700 000 \$ pour l'adaptation en français du logiciel ABRACADABRA [Communiqué de presse]. Montreal, QC: L'université du Québec à Montréal.



Forget, P. (2011, March). Abracadabra, un logiciel d'ap'rentissage de la langue pour jeunes enfants [Interviewed P.C. Abrami & M. Brodeur], Episode 82, Le Code Chastenay. Montreal, QC: T élé-Québec.
[http:// lecodechastenay.telequebec.tv/occurrence.aspx?id=366&ep=88](http://lecodechastenay.telequebec.tv/occurrence.aspx?id=366&ep=88)

Leclerc, D. (2011, March). Amélioration des habiletés en lecture et en écriture chez les enfants - A-tribution d'un' aide financière pour l'ad'ptation en français du logiciel ABRACADABRA. Montreal, QC: M inistre de l'éd'cation, du Loisir et du Sport (MELS).
<http://www.mels.gouv.qc.ca/ministere/info/index.asp?page=communiques&id=1077>

Staff writer. (2011, March). En bref- Un demi-million pour traduire ABRACADABRA. *Le Devoir*.
<http:// www.ledevoir.com/societe/education/319719/en-bref-un-demi-million-pour-traduire-abracadabra>

Sutherland, A. (2011, March). Literacy tool gets French translation: Concordia software is a hit in English schools. *Montreal Gazette*.
<http://www.montrealgazette.com/life/Literacy+tool+gets+French+translation/4512858/story.html>

Wastie, S. (2011). An SLP review of ABRACADABRA and the Learning Toolkit.
<http://www.vancouverobserver.com/blogs/schoolview/2010/01/29/abracadabra-screen-time-can-be-part-teaching-kids-read>

van Vlaardingen, C. (2010, Oct. 2). Reading at a young age [Interview with Abrami & Wade]. CTV News.
http://montreal.ctv.ca/servlet/an/local/CTVNews/20090520/mtl_yourrequests_090520/20091120/?hub=MontrealHome

Canadian Education Association. (2010, Sept.). Dr. Philip Abrami Wins 2010 CEA Whitworth Award for Educational Research [Press release]. <http://www.cea-ace.ca/awards/whitworth-award>

Nebenzahl, D. (2010, Sept. 29). Cultivating the magic of reading [Interview with R. Savage & A. Wade]. *Montreal Gazette*, p.1. <http://www.montrealgazette.com/news/Cultivating+magic+reading/3595561/story.html>

Calkenny, C. (2010, Aug. 30). ABRACADABRA [Interview with A. Wade]. *The Link*. CBC Radio Canada.
<http://medias-balado.radio-canada.ca/diffusion/2010/balado/rci/thelink-20100830-150.mp3>

Campbell, K. (2010, Jan. 29). Abracadabra: Screen time can be part of teaching kids to read. Vancouver Observer.

Daoust-Boisvert, A. (2009, 21 nov.). Au-delà de la formule magique [Interview with M. Brodeur]. *Le Devoir*.
<http:// www.ledevoir.com/societe/education/277683/au-dela-de-la-formule-magique>

Savage, R. S., (2009, April 21). Interviewed for the CTV evening show on literacy issues and effective intervention (April 8th ²⁰09) and by CBC Radio 1 lunchtime show (and phone-in) on effective reading intervent1st).

Takahashi, M. (2009, March/April) - I-terviewed on CTV Montreal's 'ewsmakers segment, Robert Savage speaks on literacy.
http://montreal.ctv.ca/servlet/an/local/CTVNews/20090313/mtl_newsmakers_090313/20090313/?hub=MontrealHome

Dawes, M. (2009, Spring). “Magical desk” provides scientific grounding for early literacy development [Interview with R. Savage], *Clarity*, 6. 4-8.

African Studies (Cote d’Ivoire, Kenya, Morocco, Rwanda, Senegal)

Journals

Lysenko, L., Gottardo, A., Wood, E., Abrami, P.C., Wade, A., Kiforo, E., Maniraguha, J.B, Shivechi, A., Iminza, R., Ghaa, C., WaGioko, M., Del Col, N., & Mithani, F. (in preparation). Technology and student reading achievement: A study of teacher professional development in Kenya and Rwanda.

Gottardo, A., Wood, E., Biddle, J., Urquhart, N., Ghaa, C., Kiforo, E., Iminza, R., WaGíokò, M., Korir, E., Brassard. L., Wade, A. & Abrami, P. (under review). Back to paper: When technology use is not an option for literacy instruction. *Cogent Education*.

Gottardo, A., Wood, E., Maniraguha, J.B., Ghaa, C., Chovu, L., WaGíokò, M., Wade, A., & Abrami, P.C (under review). Teaching teachers about the science of reading: A teacher professional development program in Rwanda targeting the teaching of early literacy skills. *Society for Scientific Studies in Reading*.



Lysenko, L., Abrami, P.C., Gottardo, A., Wood, E., & Wade, A.. (under review). Using the reading sciences and technology for teaching and learning in the Global South. *Journal of Learning and Instruction*.

Battaglia, N., Wood, E., Gottardo, A., Chovou, L., Ghaa, C., Santhosh, E., Vogel, N., Wade, A., & Abrami, P.C (2025). Examining the effectiveness of an online blended professional development program for Kenyan teachers: Learning about alphabets and fluency. *Education Sciences*. 15 (6), 709.
<https://doi.org/10.3390/educsci15060709>

Chapleau, N. (juillet, 2025). Apprendre à lire et à écrire en Afrique francophone : une étude de cas rapportant des pratiques d'enseignants à Dakar. *Éducation comparée et internationale*. Canada. 54(1). <https://doi.org/10.5206/cie-eci.v54i1.23092>

Wood, E., Santhosh, E., Gottardo, A., Battaglia, N., Chovu, L., Ghaa, C., Wade, A. & Vogel, N. (2024). Kenyan teachers' experiences of an online professional development program across rural, peri-urban, and urban settings. *International Journal of Educational Technology and Learning*, 17(2), 17-27.
<https://doi.org/10.55217/101.v17i2.844>

Head, J., Lysenko, L., Wade, A., & Abrami, P.C. (2023). Scaling up a technology-based literacy innovation in Kenya: Evolution of the teacher professional development course. *International Journal of Technology in Education*. 6(4), 541-560. <https://doi.org/10.46328/ijte.541>

Leblanc, A., Chapleau, N., Laplante, L., Lachance, M. (2025). Retombées d'une recherche collaborative sur le développement professionnel d'enseignantes au premier cycle du primaire au Maroc. *Revue hybride de l'éducation*. Canada. 9(1). <https://doi.org/10.1522/rhe.v9i1.1738>

Uribe-Banda, C., Wood, E., Gottardo, A., Biddle, J., Ghaa, C., Iminza, R., Korir, E. & Wade, A. (2023). Assessing blended and online-only delivery formats for teacher professional development in Kenya. *Cogent Education*, 10(1). <https://doi.org/10.1080/2331186X.2023.2191414>

Iminza, R., Lysenko, L., Wade, A., & Abrami, P.C. (2022). Implementing interactive literacy software in Kenya early childhood education classes. *International Journal of Education and Development Using ICT*, 18(1), 55-66. <http://ijedict.dec.uwi.edu/viewissue.php?id=64>

Wood, E., Vica, C., Gottardo, A., Iminza, R., Kiforo, E., & Wade, A. (2022). Perceptions and pedagogical considerations in professional development training for integration of an early literacy program in Kenya. *Oxford Education Review*, 48(6), 786-803. <https://doi.org/10.1080/03054985.2021.2018999>

Lysenko, L., Abrami, P.C., Wade, A., Marsh, J., Wagioko, M., & Kiforo, E. (2019). Promoting young Kenyans growth in literacy in educational technology: A tale of two years of implementation. *International Journal of Educational Research*, 95, 179-189. <https://doi.org/10.1016/j.ijer.2019.02.013>

Abrami, P. C., Wade, A., Lysenko, L., Marsh, J., & Gioko, A. (2016). Using educational technology to develop early literacy skills in Sub-Saharan Africa. *Education and Information Technologies*, 21(4), 945-964.
<http://dx.doi.org/10.1007/s10639-014-9362-4>

Conferences

Chapleau, N. (2025, juillet). L'implication des enseignants lors de recherches : une formation continue pour des pratiques ancrées? Communication proposée au *Colloque de l'AREF*, Liège, Belgique.

WaGioko, M. (2025, May). Tech-touched beginnings: transforming early english language learning in the 21st century. Invited presentation at the English Language Professionals Association of Kenya (ELPAK) Annual Conference, Kisumu, Kenya.

Sunyak, S., Del Col, N. Wade, A. & Park, H. (2025, March). *UDL to improve literacy in school and community settings: lessons learned from leveraging EdTech in Africa and Asia*. Panel discussion at the Comparative and International Education Society (CIES) annual meeting, Chicago, IL.

Gottardo, A., Wood, E., Maniraguha, J.B., Ghaa, C., Chovu, L., WaGiókò, M., Wade, A., & Abrami, P.C (2024). Teaching teachers about the science of reading: A teacher professional development program in Rwanda targeting the teaching of early literacy skills. Paper presented at annual conference of the Society for Scientific Studies in Reading, Copenhagen, Denmark.



Battaglia, N. (2024, June). Learning about Alphabetics and Fluency: Examining the effectiveness of a blended professional development program for Kenyan teachers. Poster presentation at the Canadian Psychological Association's 5th Annual National Convention, Ottawa, ON.

Abrami, P.C., Wade, A., Lysenko, L. & Head, J. (2024, March). Educational technology as a catalyst for change in the Global South. Paper presented at the Comparative and International Education Society (CIES) annual meeting, Miami, FL.

Abrami, P.C. & Wade, A. (2023, Sept.). Using interactive multimedia for teacher and primary student learning in the Global South. Panel discussion. [UNESCO Digital Literacy Week: Steering Technology for Education conference]. <https://www.unesco.org/sites/default/files/medias/fichiers/2023/09/2023-digital-learning-week-agenda-en.pdf>

Lysenko, L. (2023, Sept.). What does it take to scale effective reading instruction? Lessons from a technology-driven innovation going to scale in LMIC. The invited presentation at the III Jornadas de Educación a Distancia y Tecnología Educativa. Universidad Nacional de Asunción, Paraguay.

Battaglia, N., Wood, E., & Gottardo, A, Vogel, N. , Ghaa, C., Chovu, L., & Maniraguha, JB. (2023, June). Discrepancies in teacher’s self reported and actual early literacy knowledge and pedagogical domains. Paper presented at the World Congress on Education (WCE-2023), Toronto ON.

Chapleau, N. et Leblanc, A, (2023, juin). Soutenir la réussite des premiers apprentissages en lecture et en écriture avec ABRACADABRA au Maroc. Communication présentée à la Journée de formation des inspecteurs et des enseignants de Rabat, Maroc. Conférencière inv10nviteeahrai, E., Patel, G., Gottardo, A., Wood, E., Ghaa, C., WaGioko, M., Iminza, R., Chova, L., Shivachi, A. & Wade, A. (2023, June). Assessing early language and literacy classroom environments in Kenya. Paper presented at the World Congress on Education 2023, Toronto, ON.

Battaglia, N. (2023, March). TPACK in Kenya: Trends in teacher knowledge [Poster presentation]. FOSSA Undergraduate Research Conference, Waterloo, ON.

Lysenko, L., Sugimaru, C. & Turner, J. (2023, March). Lessons in leveraging digital education, technology, and innovation for gender equality in the Global South. The IDRC panel at the UN Commission on the Status of Women. New York.

Chapleau, N. (2023). ABRACADABRA : ne ressource pour apprendre à lire et à écrire en français. Communication présentée au colloque en hommage à Jacques Ginestié. FraFrance arseille.

Chapleau, N., Leblanc, A. et Laplante, L. (2023). Et si les enfants apprenaient à lire et à écrire tout en s’amusant. *Actes du colloque de la Biennale internationale en éducation 2023*. FraFranceeblanc, A., Chapleau, N. & Laplante, L. (2023). Un partenariat évolutif pour soutenir la réussite des premiers apprentissages en lecture et en écriture avec ABRACADABRA en Afrique francophone, Communication présentée au 90^e congrès de l’ACFAS, Montréal, QC..

Santosh, E., Wood, E., Gottardo, A, Vogel, N. , Battaglia, N., Ghaa, C.& Chovu, L. (2023). Investigating differences across Kenyan rural, peri-urban, and urban settings for teachers participating in an online teacher professional development program. Paper presented as the World Congress on Education (WCE-2023)

Chapleau, N. (2022, nov.). Soutenir la réussite des premiers apprentissages en lecture et en écriture avec ABRACADABRA en Afrique francophone. Communication présentée à la Journée de formation des inspecteurs et des enseignants de Rabat, Maroc. Conférencière inv10nviteehapleau, N. (2022, nov.). Soutenir la réussite des premiers apprentissages en lecture et en écriture avec ABRACADABRA en Afrique francophone. Communication présentée à la Journée de formation des inspecteurs et des enseignants de Rabat, Maroc. Conférencière invitée.

Lysenko, L., Marsh, J. & WaGioko, M. (2022, Nov.). ABRACADABRA scaling experience in Kenya. Invited presentation at the KIX ROSIE global and regional projects conference. Nairobi. Kenya.

Lysenko, L., Marsh, J. & WaGioko, M. (2022, Nov.). ABRACADABRA scaling experience in Kenya. Invited presentation at the KIX ROSIE global and regional projects conference. Nairobi. Kenya.

Kiforo, E. (2022, Oct.). Transformative learning through the use of technology. Invited keynote address at the University of Nairobi Faculty of Education 4th Annual International Conference [online].



- Gottardo, A., Wood, E., Biddle, J., Kiforo, E., Iminza, R., Wade, A. & Abrami, P.C. (2022, July). Back to paper. When technology is not an option. Paper presented at the Society for the Scientific Study of Reading Annual Meeting 2022. Newport, CA.
- Uribe-Banda, C., Spencer-Mueller, K., Wood, E., Gottardo, A., Iminza, R. & Kiforo, E. (2022, June). Literacy development in Kenyan educators: Examining the impact of professional development formats on educator perceptions. Poster presented at Development 2022. Calgary, AB.
- Uribe-Banda, C., Wood, E., Gottardo, A., Iminza, R. & Wade, A. (2022, May). Examining teachers content knowledge gains after piloting a 12-week professional development course. Paper presented at the annual meeting of the Canadian Society for the Study of Education (CSSE). Waterloo, ON.
- Head, J., Biddle, J. Wade, A., Lysenko, L., Abrami, P.C., & Iminza, R. (2022, April). Scaling up a literacy educational innovation: A Comparison of teacher education models. Paper presented at the annual conference of Comparative and International Education Society. Minneapolis, MN.
- Chapleau, N., Laplante, L. et Leblanc, A. (2022). ABRACADABRA! Pour soutenir l'apprentissage de la lecture et de l'écriture. Communication présentée au V^e Congrès de la commission du monde arabe, Hammamet, Tunisie.
- Iminza, R., Gottardo, A., & Wood, E. (2021, April). Partnering in response to COVID-19: ABRA@Home community-based literacy program in Kenya. Paper presented at the Comparative and International Education Society annual conference [online].
- Chapleau, N. (2019, juin). ABRACADABRA : ne technologie éducative pour apprendre à lire et à écrire. Communication proposée dans le cadre du XII^e congrès de l'Association des Professeurs de Français D'Afrique et de l'Océan Indien (APFA-OI). Dakar, Sénégal.
- Chapleau, N, Laplante, L., Brodeur, M., Charland, P. et Beaupré-Boivin, K. (2019, mai). Les défis de la réalisation d'une étude en milieu scolaire francophone en Côte d'Ivoire. Communication proposée à La Conférence annuelle de l'Association canadienne des Études africaines, Montréal, QC.
- Gottardo, A., Wood, E., Abrami, P.C., Wade, A., WaGioko, M., Iminza, R., & Kiforo, E. (2019, May). Collaborating to develop optimal training for educators using software as an instructional tool: The Kenyan context. Paper presented at the Annual Conference of the Canadian Association of African Studies, Penser l'Afrique-Monde : Originalité et pratiques innovantes, Montreal, QC.
- Xin, S., Cheung, A., & Mak, B. (2019, May). Activity theory as a framework for understanding teachers' perceptions of the use of ABRACADABRA (ABRA) at primary schools in Kenya. Paper presented at the Annual Conference of the Canadian Association of African Studies, Penser l'Afrique-Monde : Originalité et pratiques innovantes, Montreal, QC.
- Chapleau, N, Laplante, L., et Brodeur, M. (2018, avril). Soutenir les apprentissages en lecture et en écriture auprès des élèves débutant dans l'écrit avec la ressource en ligne ABRACADABRA. Communication présentée aux étudiants du master en éducation à l'Université Félix Houphouët- Boigny, Abidjan, Côte d'Ivoire.
- Conférencière inv11nviteebami, P. C., Gioko, A., Wade, A., & Marsh, J. (2015, Feb.). The Role of ICT in literacy development. Paper presented at the Digital Learning Day, Annual Research Institute, Aga Khan University, Tanzania.
- Kiforo, E. K., Gioko, A. M., Waga, R. (2014, July). How does the implementation of a literacy Learning Toolkit influence Early Literacy Skill acquisition? In Key Competencies in Informatics and ICT (KEYCIT 2014) Conference, Potsdam University, Berlin, Germany.
- Abrami, P. C., Wade, A., Lysenko, L., Marsh, J., Gioko, A., & Angondi, E. K. (2014, May). A study of ABRACADABRA early literacy software in Mombasa, Kenya. Paper presented at the eLearning Africa, 9th International Conference on ICT for Development, Education, & Training, Kampala, Uganda.

Reports

- Chapleau, N., Leblanc, A. & Skelling-Desmeules, Y. (2024, en préparation). Rapport des résultats de la recherche de l'étude réalisée en 2023 au Maroc. *Soutenir l'apprentissage de la lecture et de l'écriture au royaume du Maroc avec ABRACADABRA*. Document inédit.



Abrami, P. C., Bhuiya, M., Chovu, L., Del Col, N., Ghaa, C., Gottardo, A., Iminza, R., Kiforo, E., Lysenko, L., Maniraguha, J.-B., Marsh, J., Mithani, F., Shivachi, A., Wade, A., WaGioko, M., & Wood, E. (2023, Nov.30). *Using technology to improve literacy in the Global South*. International Development Research Centre (IDRC) Final Report.

Chapleau, N., Laplante, L., Leblanc, A., Santos, E. & Skelling-Desmeules, Y. (2022, juillet). *Rapport préliminaire des résultats de la recherche. Soutenir l'apprentissage de la lecture et de l'écriture au royaume du Maroc avec ABRACADABRA*. Document inédit.

CSLP, World Vision, Aga Khan Academy & Wilfrid Laurier University. (2020, Nov. 26). *Using ABRACADABRA @ Home in a remote region of Kenya: Response to the pandemic*. Report.

Chapleau, N., & Santos E. (2020). *Un outil d'évaluation de la lecture et de l'écriture pour les élèves entrant dans l'écrit en Afrique francophone*. Document inédit. Université du Québec à Montréal.

Abrami, P. C., Wade, A., Lysenko, L., Marsh, J., & Maina, G. (2016). *The effects of ABRACADABRA early literacy software on the learning of Kenyan elementary school students: 2014-2015 study* (SSHRC Partnership Development Final Report). Montreal, QC: CSLP.

Abrami, P. C., Wade, A., Lysenko, L., Marsh, J., & Gioko, A. (2014, Feb.). *A study of ABRACADABRA early literacy software in Mombasa, Kenya: Phases one and two* (Final Report). Montreal, QC: Centre for the Study of Learning and Performance.

Media

World Vision Canada. (2024, March 13). *Innovative technology improves children's learning*. <https://www.worldvision.ca/stories/education/innovative-technology-improves-childrens-learning>

Lysenko, L. & Wade, A. (2023, July 20). *ABRA Professional development of Kenyan teachers: What their students learned*. [Blog post]._GPE KIX. <https://www.gpekix.org/blog/abra-professional-development-kenyan-teachers-what-their-students-learned>

Ooko, S. (2023, July 1). *Digital literacy project improves learning in schools*. <https://www.wvi.org/stories/kenya/digital-literacy-project-improves-learning-schools>

Collaborative relationships to scale interactive literacy software in Kenya. (2023, April 23). [News post]. GPE KIX. <https://www.gpekix.org/news/collaborative-relationships-scale-interactive-literacy-software-kenya>

Wade, A., Abrami, P.C., & Durand, C. (2023, April 11). *Expectancy-value: How motivated Kenya teachers are transforming early literacy instruction*. [Blog post]._GPE KIX. <https://www.gpekix.org/blog/expectancy-value-how-motivated-kenya-teachers-are-transforming-early-literacy-instruction>

Gilcrist, E. (2023, March 9). *Leveraging digital education, technology, and innovation for gender equality*. [Blog post]._GPE KIX. <https://www.gpekix.org/blog/leveraging-digital-education-technology-and-innovation-gender-equality>

International Development Research Centre. (2021). *Scaling Digital Learning in Kenya - Dorothy Mariga* <https://www.youtube.com/watch?v=lbZr9VEyvzU>

International Development Research Centre. (2021). *Scaling Digital Learning in Kenya - Maina WaGiokò*. https://www.youtube.com/watch?v=aw1naf_A1kk

International Development Research Centre. (2021). *Scaling Digital Learning in Kenya - Phyllis Wijenje*. <https://www.youtube.com/watch?v=NxU2lqwBrAA>

International Development Research Centre. (2021). *Scaling Digital Learning in Kenya - Professional Development*. <https://www.youtube.com/watch?v=U7J8oe93OX4>

International Development Research Centre. (2021). *Scaling Digital Learning in Kenya – Rose Iminza* <https://www.youtube.com/watch?v=HbSloFsF-is>

Pakebusch, M.R. (2021). Kenya - M–Itipronged approach to promote educational continuity [Discussion of ABRA@Home]. F.M. Reimers & R. Opertti (Eds.) *Learning to build back better futures from education: Lessons from educational innovation during the COVID-19 pandemic* (pgs. 273-282). UNESCO. [http:// www.ibe.unesco.org/en/news/learning-build-back-better-futures-education-lessons-educational-innovation-during-covid-19](http://www.ibe.unesco.org/en/news/learning-build-back-better-futures-education-lessons-educational-innovation-during-covid-19)



Maestracci, V. (2020, Aug.7). *Concordia helps adapt literacy programming to the reality of COVID-19 school closures in Kenya. ABRA@Home trains teachers to bring lessons to the homes of young learners and their families.* <https://www.concordia.ca/news/stories/2020/08/07/concordia-helps-adapt-literacy-programming-to-the-reality-of-covid-19-school-closures-in-kenya.html>

Evans, T. (2019). *New opportunities, at their fingertips.* https://www.akfc.ca/our-work/new-opportunities-fingertips/?utm_source=Aga+Khan+Foundation+Canada+mailing+list&utm_campaign=ec71fee97bl

International development Research Centre (IDRC). (2019, July 25). *Improving literacy through digital learning in Kenya* (video). <https://www.youtube.com/watch?v=DeQC24iOVmM&feature=youtu.be>

Staff Writers. (2019, July 19). Video: Improving literacy through digital learning in Kenya. *Aga Khan Academy Newsletter*. Retrieved from <http://www.agakhanacademies.org/mombasa/video-improving-literacy-through-digital-learning-kenya>.

Rolfe, K. (2019, July 5). Concordia researchers evaluate their work to improve literacy rates in Kenya. [Wade quoted]. *NOW News*. Available: <http://www.concordia.ca/news/stories/2019/07/05/concordia-researchers-evaluate-their-work-to-improve-literatecy-rates-in-kenya.html?c=/research/learning-performance>

Van der Linde, D. (2019, June 18). Concordia spurs innovation in Africa: Students, research and partnerships play larger role in infrastructure, education, economic progress [Wade quoted]. *Concordia University Magazine*. Available: <http://www.concordia.ca/cunews/offices/vpaer/aar/2019/06/18/concordia-spurs-innovation-in-africa.html?c=alumni-friends/magazine>

Wade, A. (2019). Guest article: A nne Wade. *Aga Khan Academies News*. <https://www.agakhanacademies.org/general/guest-article-anne-wade>

Aga Khan Academies. (2017). *Concordia University awarded UNESCO King Sejong Literacy Prize.* <http://www.agakhanacademies.org/general/unesco-honours-aga-khan-academies-partner-concordia-university-king-sejong-literacy-prize>

Aga Khan Academies. (2017, Sept. 12). *UNESCO honours Aga Khan Academies partner Concordia University with King Sejong Literacy Prize.* <http://www.agakhanacademies.org/general/concordia-university-awarded-unesco-king-sejong-literacy-prize>

Aga Khan Foundation Canada. (2017, Sept. 8). *UNESCO honours Aga Khan Academies partner Concordia University with King Sejong Literacy Prize.* https://www.akfc.ca/news/unesco-honours-aga-khan-academies-partner-concordia-university-king-sejong-literacy-prize/?utm_source=AKFC+News+%26+Events+Bulletin+-+English&utm_campaign=f4a2563f8c-20170914-Newsletter+EN&utm_medium=email&utm_term=0_4d451e664b-f4a2563f8c-225310461

Dunk, R. (2017, Sept. 6). *\$2.5 million for a Concordia-based education project in Sub-Saharan Africa: The SSHRC supports pedagogical transformation in the developing world.* <http://www.concordia.ca/cunews/main/stories/2017/09/06/sshrc-grants-concordia-2-5-million-for-education-tech-in-sub-saharan-africa.html?c=research/learning-performance/news-events>

UNESCO. (2017, Aug. 31). *Technology helps develop literacy and numeracy in Sub-Saharan Africa.* <http://en.unesco.org/news/technology-helps-develop-literacy-and-numeracy-sub-saharan-africa>

Otieno, B. (2016, Jan. 28). Innovative project seeks to boost learning at the coast. *The Star [Kenya]*, pp. 30-31.

Vidija, P. (2015, September 30). English and mathematics classes for Mombasa public teachers [ELM]. *The Star [Kenya]*. <http://www.the-star.co.ke/news/english-and-mathematics-classes-mombasa-public-teachers#sthash.zMGyDH6s.HXWeFWVe.dpuf>

Okwany, R. (2014, April). Magic touch in class with ‘Abracadabra’ cartoon software. *Kenyan Daily Nation*. <http://www.nation.co.ke/lifestyle/DN2/Magic-touch-in-class-with-Abracadabra-cartoon-software/-/957860/2295724/-/eml45h/-/index.html>

MEDEVA Tazama7. (2014, September 13). *ABRACADABRA, changing how we learn* [Video File]. <https://www.youtube.com/watch?v=RA2b5hOCSQ4>



Asian Studies (Bangladesh, China, Hong Kong)

Journals and Dissertations

Guo, X., Cheung, A., Abrami, P. C., & Wade, A. (2023). Examining the impact of the ABRACADABRA (ABRA), a game-based online literacy programme on primary school students in rural Hunan, China. *Educational Technology Research and Development*. <https://doi.org/10.1007/s11423-023-10185-5>

Gu, X., Yao, J., Bai, P., Zhou, L., Cheung, A. C., & Abrami, P. C. (2021). Does ABRACADABRA help improve the English reading ability of Chinese elementary school students? A quasi-natural experimental study. *Science Insights Education Frontiers*, 9(2), 1221-1240. <https://doi.org/10.15354/sief.21.or041>

Gu, X., Yao, J., Zhou, L., Cheung, A.C.K., & C. Abrami, P. (2021). A quasi-experimental study of a web-based English literacy tool for Grade 3 students in China. *ECNU Review of Education*, 4(1), 84-107. <https://doi.org/10.1177/2096531120972709>

Mak, B.S.Y., Cheung, A., Guo, X., Abrami, P.C., & Wade, A. (2017). Examining the impact of of the ABRACADABRA (ABRA) web-based literacy program on primary school students in Hong Kong. *Education and Information Technologies*, 22(6), 2671- 2691. <https://doi.org/10.1007/s10639-017-9620-3>

Cheung, A., Mak, B., Abrami, P. C., Wade, A. & Lysenko, L. (2016). The effectiveness of the ABRACADABRA (ABRA) web-based literacy program on primary school students in Hong Kong. *Journal of Interactive Learning Research*, 27(3), 219- 245.

Guo, X. (2018). Examining the impact of ABRACADABRA (ABRA), a web-based literacy program, on primary school students in Hunan, China: A mixed method study (Doctoral thesis, Chinese University of Hong Kong).

Media

Learning, collaboration and growth: Recent PDC highlights at the Aga Khan Academy Dhaka. (Dec. 8, 2024). <https://www.agakhanacademies.org/dhaka/learning-collaboration-and-growth-recent-pdc-highlights-aga-khan-academy-dhaka>

AKA Dhaka hosts closing ceremony of KIX project. (2023, Sept. 27). <https://www.agakhanacademies.org/dhaka/aka-dhaka-hosts-closing-ceremony-kix-project>

AKA Dhaka welcomes back government school teachers for PD session (2023, August 7). <https://www.agakhanacademies.org/dhaka/aka-dhaka-welcomes-back-government-school-teachers-pd-session>

AKA Dhaka hosts government officials to observe the KIX project (2023, July 31). <https://www.agakhanacademies.org/dhaka/aka-dhaka-hosts-government-officials-observe-kix-project>

Aga Khan Dhaka organized Teacher Professional Development on Alphabetics Module under KIX program (2023, May 26). <https://www.agakhanacademies.org/dhaka/aka-dhaka-organises-pd-session-teachers-under-kix-project>

Australian Studies

Journals

Gutierrez, A., Lowe, K., & Guenther, J. (2021). Indigenous student literacy outcomes in Australia: A systematic review of literacy programmes. *Asia Pacific Journal of Teacher Education*, 49(1), 37-60. <https://doi.org/10.1080/1359866X.2019.1700214>

Helmer, J., Harper, H., Lea, T., Wolgemuth, J. R., & Chalkiti, K. (2014). Challenges of Conducting Systematic Research in Australia's 'orthern Territory. *Asia Pacific Journal of Education*, 34(1), 36-48. <http://dx.doi.org/10.1080/02188791.2013.809692>

Wolgemuth, J., Abrami, P. C., Helmer, J., Savage, R., Harper, H., & Lea, T. (2014). Examining the impact of ABRACADABRA on early literacy in Northern Australia: An implementation fidelity analysis. *Journal of Educational Research*, 107(4), 299-311. <http://dx.doi.org/10.1080/00220671.2013.823369>



Wolgemuth, J., Savage, R., Helmer, J., Harper, H., Lea, T., Abrami, P. C., . . . Louden, W. (2013). ABRACADABRA aids indigenous and non-indigenous early literacy in Australia: Evidence from a multisite randomized controlled trial. *Computers & Education*, 67, 250-264. <http://dx.doi.org/10.1016/j.compedu.2013.04.002>

Harper, H. (2012). Teachers' Emotional Responses to New Pedagogical Tools in High Challenge Settings: Illustrations from the Northern Territory. *Australian Educational Researcher*, 39(4), 447-461. <http://dx.doi.org/10.1007/s13384-012-0075-7>

Harper, H., Helmer, J., Lea, T., Chalkiti, K., Emmett, S., & Wolgemuth, J. (2012). ABRACADABRA for magic under which conditions? Case studies of a web-based literacy intervention in the Northern Territory. *Australian Journal of Language and Literacy* 35(1), 33-50. [http://www.academia.edu/1436079/ABRACADABRA for magic under which conditions Case studies of a web-based literacy intervention in the Northern Territory](http://www.academia.edu/1436079/ABRACADABRA_for_magic_under_which_conditions_Case_studies_of_a_web-based_literacy_intervention_in_the_Northern_Territory)

Helmer, J., Bartlett, C., Wolgemuth, J. R., & Lea, T. (2011). Coaching (and) commitment: linking ongoing professional development, quality teaching and student outcomes. *Professional Development in Education*, 37(2), 197-211. <http://www.informaworld.com/openurl?genre=article&id=doi:10.1080/19415257.2010.533581>

Wolgemuth, J., Savage, R., Helmer, J., Bottrell, C., Lea, T., Harper, H., et al. (2011). Using computer-based instruction to improve indigenous early literacy in Northern Australia: A quasi-experimental study. *Australasian Journal of Educational Technology (AJET)*, 27(4), 727-750. <http://www.ascilite.org.au/ajet/ajet27/wolgemuth.html>

Ehrich, J., Wolgemuth, J. R., Helmer, J., Oteng, G., Lea, T., Bartlett, C., Smith, H., & Emmett, S. (2010). Attendance, Performance and the Acquisition of Early Literacy Skills: A Comparison of Indigenous and Non-Indigenous School Children. *Australian Journal of Learning Difficulties*, 15(2), 131-149. <http://www.informaworld.com/openurl?genre=article&id=doi:10.1080/19404150903524580>

Conferences

Wolgemuth, J., Abrami, P. C., Helmer, J., Savage, R., Harper, H., Lea, T., et al. (2012, April). A multisite randomized control trial to examine the impact of ABRACADABRA on early literacy in Northern Australia: An analysis of implementation fidelity. Paper presented at the American Educational Research Association (AERA) annual meeting, Vancouver, BC, Canada.

Wolgemuth, J., Helmer, J., Harper, H., Lea, T., Halkitis, K., Bottrell, C., et al. (2011, April). A multisite randomised controlled trial to examine the impact of ABRACADABRA on indigenous early literacy in Australia. Paper presented at the American Educational Research Association (AERA), New Orleans, LA.

Wolgemuth, J., Ehrich, J., Helmer, J., Emmett, S., Lea, T., Savage, R., et al. (2010, May). Using computer-based instruction to improve indigenous early literacy in northern Australia. Poster presented at the American Educational Research Association (AERA), Denver, CO.

Wolgemuth, J., Helmer, J., Emmett, S., Ehrich, J., Lea, T., Savage, R., et al. (2009, Dec.). ABRACADABRA: Improving Literacy through computer-based instruction in regional and remote schools. Paper presented at the Australian Association for Research in Education (AARE), Canberra, Australia.

Media

Herland, K. (2011, April). Literacy tool great success in Australia, *Concordia NOW*. <http://www.concordia.ca/now/what-we-do/research/20110426/literacy-tool-great-success-in-northern-australia.php>



External (Third Party) Evaluations

Reviews/Meta-analyses

Dahl-Leonard, K., Hall, C. & Peacott, D. (2024). A meta-analysis of technology-delivered literacy instruction for elementary students. *Educational Technology Research Development* 72, 1507–1538
<https://doi.org/10.1007/s11423-024-10354-0>

Silverman, R. D., Keane, K., Darling-Hammond, E., & Khanna, S. (2024). The Effects of educational technology interventions on literacy in elementary school: A meta-analysis. *Review of Educational Research*, 0(0).
<https://doi.org/10.3102/00346543241261073>

Rimmer, C., Dahary, H., & Quintin, E. M. (2022). Emergent literacy skills and autism: A scoping review of intervention programs. *Research in Autism Spectrum Disorders*, 97.
<https://doi.org/10.1016/j.rasd.2022.102004>

Dean, J., Pascoe, M., & le Roux, J. (2021). Information and communication technology reading interventions: A scoping review. *Reading & Writing*, 12(1). <https://doi.org/10.4102/rw.v12i1.294>

Australian Studies

Murphy, A., Bailey, B., & Arciuli, J. (2023). ABRACADABRA literacy instruction for children with Down syndrome via telepractice during COVID-19: A pilot study. *British Journal of Educational Psychology*, 93(1), 333-352.
<https://doi.org/10.1111/bjep.12558>

Bailey, B., Sellwood, D., Rillotta, F., Raghavendra, P., & Arciuli, J. (2022). A trial of online ABRACADABRA literacy instruction with supplementary parent-led shared book reading for children with autism. *Research in Developmental Disabilities*, 124, <https://doi.org/10.1016/j.ridd.2022.104198>

Zhao, Y., Lu, J., Woodcock, S., & Ren, Y. (2022). Social Media Web 2.0 Tools Adoption in Language and Literacy Development in Early Years: A Scoping Review. *Children*, 9(12), <https://doi.org/10.3390/children9121901>

Arciuli, J., & Bailey, B. (2021). The promise of comprehensive early reading instruction for children with autism and recommendations for future directions. *Language, Speech and Hearing Services in Schools*, 52, 225-238.
https://doi.org/10.1044/2020_LSHSS-20-00019

Arciuli, J., & Bailey, B. (2019). Efficacy of ABRACADABRA literacy instruction in a school setting for children with autism spectrum disorder. *Research in Developmental Disabilities*, 85, 104-115.
<https://doi.org/10.1016/j.ridd.2018.11.003>

Bailey, B., Arciuli, J., & Stancliffe, R. J. (2017). Effects of ABRACADABRA instruction on spelling in children with autism spectrum disorder. *Scientific Studies of Reading*, 21(2), 146-164.
<http://dx.doi.org/10.1080/10888438.2016.1276183>

Bailey, B., Arciuli, J., & Stancliffe, R. J. (2016, June). Effects of ABRACADABRA literacy instruction on children with autism spectrum disorder. *Journal of Educational Psychology*. 109(2), 257-268.<http://dx.doi.org/10.1037/edu0000138>

Bailey, B., Arciuli, J., & Stancliffe, R. J. (2016). The effect of ABRACADABRA literacy instruction on the spelling ability of children with autism. Symposium presentation at the Twenty-Third Meeting of the Society for the Scientific Studies of Reading, Porto, Portugal.

Bailey, B., Arciuli, J., & Stancliffe, R. J. (2014). A balanced approach to literacy instruction for children with autism spectrum disorder. Poster presentation at the Twenty-First Meeting of the Society for the Scientific Studies of Reading, Santa Fe, New Mexico.

Canadian Studies

Li, J., Brar, A., & Roihan, N. (2021). The use of digital technology to enhance language and literacy skills for Indigenous people: A systematic literature review. *Computers and Education Open*, 2.
<https://doi.org/10.1016/j.caeo.2021.100035>



Nair, A., & Dubé, A. K. (2021). Overcoming barriers to remote learning: Computer assisted instruction to enhance mathematical word problem solving Technology, Mind & Society, <https://assets.pubpub.org/qtd55gcf/41634565320290.pdf>

Sha, K., & Savage, R. (2020). Separating the medium from the message: Effects of web- versus pencil and paper-delivery of the ABRACADABRA Intervention on literacy, motivation and self-esteem. Journal of Interactive Learning Research, 31(4), 283-317. <https://www-learntechlib-org.lib-ezproxy.concordia.ca/primary/p/210443/>

European and Others

Bell, K., Ainsworth, H., Elliott, L., Fairhurst, C., Gascoine, L., Hanley, P., ... & Whiteside, K. (2022). ABRACADABRA (ABRA) and Reading and Understanding in Key Stage 1 (RUKS). Project report. Education Endowment Foundation. <https://dro.dur.ac.uk/37109/1/37109.pdf>

Vousden, J. I., Cunningham, A. J., Johnson, H., Waldron, S., Ammi, S., Pillinger, C., Savage, R., & Wood, C. (2022). Decoding and comprehension skills mediate the link between a small-group reading programme and English national literacy assessments. *British Journal of Educational Psychology*, 92(1), 105-130. <https://doi.org/10.1111/bjep.12441>

McNally, S., Ruiz-Valenzuela, J., & Rolfe, H. (2018, March). ABRA: Online reading support (Evaluation report and executive summary. Addendum added). London, UK: Education Endowment Foundation. <https://educationendowmentfoundation.org.uk/our-work/projects/online-reading-support/>



ELM

Summary of Research

Since 2014, we have studied the impact of ELM on grade-one student learning of mathematics in various contexts and have obtained positive results.

Canadian tests of ELM with 450 students demonstrated ELM impacts on students’ learning and affective outcomes. After having learnt with ELM for about one term, the experimental students considerably outperformed their peers exposed to traditional instruction with the effect sizes of +0.22 (Lysenko et al., 2016) and +0.29 (Abrami et al., 2018) on the overall skills respectively measured by the standardized tests of mathematics CAT-4 (2008) and GMADE (Williams, 2004). In addition, the effects of ELM were observable on a set of affective outcomes. Students in classes where ELM was part of math instruction reported more enjoyment from learning math and less anxiety and boredom than their peers in the control group.

Consistent with the Canadian findings are the results from Kenya feasibility study (Lysenko et al., 2022) conducted in 2019 in 14 classrooms of 7 primary public schools. The results of this research suggest that the use of ELM to teach math significantly improved young students’ mathematical abilities over their peers from control classes. After the students worked in dyads or triads on ELM activities in the school computer lab during one weekly math lesson for a few months, the total effect size was +0.37 on the GMADE-tested skills of mathematics. We found particularly strong impact of ELM on the students’ abilities to take language and concepts of mathematics and apply appropriate operations and computations to solve word problems. On this set of skills, the magnitude of difference between the experimental and control groups was +0.77.



The ELM validation study is currently unfolding in the primary schools of the Mombasa County, Kenya. Together with replicating the results of earlier research, this study aims to explore the conditions for ELM sustainable implementation.

Canadian Studies

Journals and Conferences

Lysenko, L., Rosenfield, S., Dedic, H., Savard, A., Idan, E., Abrami, P. C., Naffi, N. (2016). Using interactive software to teach foundational mathematical skills. *Journal of Information Technology Education: Innovations in Practice*, 15, 19-34. <http://www.iite.org/documents/Vol15/JITEv15IIPp019-034Lysenko2154.pdf>

Savard, A., Dedic, H., Rosenfield, S., Idan, E., & Head, J. (2014, Nov.). Developing number sense with a digital tool. Workshop conducted at the annual QPAT convention, Montreal, QC, Canada.

Savard, A., Dedic, H., Rosenfield, S., & Naffi, N. (2013, Sept.). Developing number sense with a digital tool. Symposium at the Advancing Learning in Differentiation and Inclusion (ALDI) Symposium, Dorval, QC, Canada.

Reports

Centre for the Study of Learning and Performance. (2015, Jan.). *Developing foundational skills in Quebec students: Orienter la réussite des mathématiques émergentes (ORME) software*. Final Report submitted to the Ministère de l'Économie, de l'Innovation et des Exportations. https://www.concordia.ca/content/dam/artsci/research/cslp/docs/tools-software/learning-toolkit/elm_mdeie_final-report.docx

African Studies (Kenya)

Journals

Lysenko, L., Abrami, P.C., Wade, A., Kiforo, E., & Iminza, R. (2022). Emergent Literacy in Math (ELM): Learning numeracy with interactive technology in Kenya grade-one classes. *International Journal of Innovation in Science and Mathematics Education*. 30(5), 1-19. <https://doi.org/10.30722/IJISME.30.05.001>

Media

Vidija, P. (2015, September 30). English and Mathematics classes for Mombasa public teachers [ELM]. The Star Newspaper, Kenya. <http://www.the-star.co.ke/news/english-and-mathematics-classes-mombasa-public-teachers#sthash.zMGydh6s.HXWeFWVe.dpuf>



ePEARL

Summary of Research

The CSLP researchers have examined the effects of ePEARL digital portfolio on learning of students and teachers in Canada and Kenya.

In Canada, the impact of ePEARL digital portfolio on students' learning has been in focus of the two major quasi-experimental studies involving 618 older elementary students (Meyer et al., 2010; Abrami et al., 2013). This



research consistently found important gains in writing and metacognitive skills for the students who completed their English Language Arts class assignment with ePEARL compared to those who did not use ePEARL. Namely, the effects of ePEARL were demonstrable on students' writing skills such as writing content (+0.13) and content management (+0.33) measured on a standardized test of achievement (CAT-4, 2008). The improved students' self-regulation skills were setting process goals (+0.42), selecting task strategies (+0.43), and using their teachers' and peers' feedback (+0.47) and self-observations (+0.23) to improve their work.

Another Canadian study examined the combined use of ePEARL and ABRACADABRA on early elementary students' reading comprehension skills (Lysenko & Abrami, 2014). Twenty-six grade 1 and 2 teachers and their 517 students from six English school boards participated in this quasi-experiment. The findings showed that the students who learnt with ePEARL and ABRA significantly outperformed students from the control classes in terms of reading and written expression as measured by the standardized tests. In particular, the gains of ePEARL and ABRA students were most important in vocabulary skills, reading comprehension and writing skills including conventions, linguistics, and content.

In Kenya, the initial validation of ePEARL in secondary schools also yielded promising results (Lysenko et al., 2022). Unfolded in two phases and involving 201 students, the study demonstrated the practicality of implementing the digital process portfolio in the Kenyan context and captured positive impact of the tool on student learning outcomes. The findings of this pilot consistently show that students who used ePEARL to complete their project work in Biology, Physics, Business Studies or English outperformed their peers who had hardly used the portfolio for their class assignments or did not use it all on their school exams and their self-reported self-regulation skills. Further, more frequent and comprehensive use of portfolio features translated into higher student achievement in the relevant subject area. On average, one unit increase in using ePEARL improved a student's exam results by +0.39 and +0.30 standard deviations in phases 1 and 2 respectively.

Canadian Studies

Journals

Lysenko, L. V., & Abrami, P. C. (2014). Promoting reading comprehension with the use of technology. *Computers & Education*, 75, 162-172. <http://dx.doi.org/10.1016/j.compedu.2014.01.010>

Abrami, P. C., Venkatesh, V., Meyer, E., & Wade, A. (2013). Using electronic portfolios to foster literacy and self regulated learning skills in elementary students. *Journal of Educational Psychology*, 105(4), 1188-1209. <http://dx.doi.org/10.1037/a0032448>

Bures, E., Barclay, A., Abrami, P. C., & Meyer, E. (2013). The reality of assessing 'authentic' electronic portfolios: Can electronic portfolios serve as a form of standardized assessment to measure literacy and self-regulated learning at the elementary level? *Canadian Journal of Learning and Technology*, 39(4). <http://www.cjlt.ca/index.php/cjlt/article/view/646/374>

Meyer, E., Wade, A., & Abrami, P. C. (2013). Teaching with electronic portfolios to foster 21st century literacies. *Learning Landscapes*, 6(2), 265-282. <http://www.learninglandscapes.ca/current-issue>

Upitis, R., Abrami, P. C., Brook, J., Troop, M., & Varela, W. (2012). Learning to play a musical instrument with a digital portfolio tool. *Journal of Instructional Pedagogies*, 9, 1-15. <http://www.aabri.com/manuscripts/121209.pdf>

Meyer, E., Abrami, P. C., Wade, A., & Scherzer, R. (2011). Electronic portfolios in the classroom: Factors impacting teachers' integration of new technologies and new pedagogies. *Technology, Pedagogy and Education*, 20(2), 191-207. <https://doi.org/10.1080/1475939X.2011.588415>

Bures, E. M., Abrami, P. C., & Schmid, R. F. (2010). Fostering quality online dialogue: Does labeling help? *Journal of Interactive Learning Research*, 21(2), 187-213. <http://www.editlib.org/p/29424>

Bures, E. M., Abrami, P. C., & Schmid, R. F. (2010). Exploring whether students' use of labelling depends upon the type of online activity. *International Journal of Computer-Supported Collaborative Learning*, 5(1), 103-116. <https://doi.org/10.1007/s11412-009-9079-3>



Meyer, E., Abrami, P. C., Wade, A., Aslan, O. & Deault, L. (2010). Improving literacy and metacognition with electronic portfolios: Teaching and learning with ePEARL. *Computers & Education*, 55(1), 84-91. <https://doi.org/10.1016/j.compedu.2009.12.005>

Uptis, R., Abrami, P. C., & Patteson, A. (2010). Developing ecological habits of mind: Approaching environmental issues through electronic portfolios and the arts. *Journal of the Canadian Association for Curriculum Studies*, 8(1), 68-98. <http://pi.library.yorku.ca/ojs/index.php/jcacs/article/view/26082/28395>

Bures, E. M., Schmid, R. F., & Abrami, P. C. (2009). "Developing a perspective", "Inter-connecting" and "Bringing it together": Who chooses to use a labelling feature in online conversations in a graduate course? *Educational Media International*, 46(4), 317-334. <https://doi.org/10.1080/09523980903387571>

Meyer, E. (ed.) (2009) Electronic portfolios and digital identity [Special issue]. *Canadian Journal on Learning and Technology*. 34(3).

Abrami, P. C., Wade, A., Pillay, V., Aslan, O., Bures, E., & Bentley C. (2008) Encouraging self-regulated learning through electronic portfolios. *Canadian Journal of Learning and Technology*, 34(3), 93-117. <http://www.cjlt.ca/index.php/cjlt/article/view/507/238>

Wade, A., Abrami, P. C., & White, B. (2006) Using electronic portfolios to help students become self-regulated learners. *Canadian Association of Principals Journal*, 14(2), 23-25. <http://www.cdnprincipals.org/journal/back-issues.php>

Abrami, P. C., & Barrett, H. (2005). Directions for research and development on electronic portfolios. *Canadian Journal of Learning and Technology*, 31(3), 1-15. <http://www.cjlt.ca/index.php/cjlt/article/view/92/86>

Wade, A., Abrami, P. C., & Sclater, J. (2005). An electronic portfolio to support learning. *Canadian Journal of Learning and Technology*, 31(3), 33-50. <http://www.cjlt.ca/content/vol31.3/wade.html>

Books

Abrami, P. C., Bures, E., Idan, E., Meyer, E., Venkatesh, V., & Wade, A. (2013). Electronic Portfolio Encouraging Active and Reflective Learning (ePEARL). In R. Azevedo & V. Aleven (Eds.), *International handbook of metacognition and learning technologies* (pp. 503-515). Springer Science + Business Media.

Venkatesh, V., Bures, E., Davidson, A.-L., Wade, A., Lysenko, L., & Abrami, P. C. (2013). Electronic portfolio encouraging active and reflective learning: A case study in improving academic self-regulation through innovative use of educational technologies. In A. D. Ritzhaupt & S. Kumar (Eds.), *Cases on educational technology implementation for facilitating learning* (pp. 341-376). IGI Global. <http://www.igi-global.com/book/cases-educational-technology-implementation-facilitating/72158>

Abrami, P.C., Savage, R.S., Deleveau, G., Wade, A., Meyer, E. & Lebel, C. (2010). The Learning Toolkit: The design, development, testing and dissemination of evidence-based educational software In P. Zemliansky & D.M. Wilcox (Eds.), *Design and implementation of educational games: Theoretical and practical perspectives* (pp. 168-187). IGI Global. <http://doi10.4018/978-1-61520-781-7.ch012>

Meyer, E., Wade, A., Pillay, V., Idan, E., & Abrami, P. C. (2010). Using electronic portfolios to foster communication in K-12 classrooms. In C. Black (ed.) *The dynamic classroom: Engaging students in higher education* (pp.125-133). Atwood Publishing.

Wade, A., Abrami, P.C., Meyer, E. & White, B. (2008). ePEARL: Supporting learning using electronic portfolios. In F. Costa & M. Laranjeiro (Eds.), *e-Portfolio in education. Practices and reflections* (pp.83-93). Portugal: Associação de Professores de Sintra.

Wade, A., Sclater, J., Abrami, P.C., Therrien, M., & Severgine, V. (2005). Using e-portfolios to support learning. In S. Pierre (Ed.), *DIVA. Innovations et tendances en technologies de formation et d'apprentissage* (pp.499-520) Presses Internationales Polytechnique.

Conferences

Lysenko, L., Venkatesh, V., Kiforo, E., & Gatende, A. (2019, May). Electronic portfolios in Kenyan secondary classrooms: results of the ePEARL pilot study. Paper presented at the Annual Conference of the Canadian



- Association of African Studies, *Penser l’Afrique-Monde : Originalité et pratiques innovantes*, Montreal, QC, Canada.
- Abrami, P. C., Upitis, R., & Elster, A. (2014, February). Transforming music education with digital tools: iSCORE and DREAM. Paper presented at the Learning Through the Arts (LTTA) Congress, University of Würzburg, Neubaukirche, Germany.
- Upitis, R., Brook, J., & Abrami, P. C. (2014, January). Enhancing music learning with digital tools: A case study of a student using iSCORE. Paper presented at the Hawaii International Conference on Education (HICE), Honolulu, Hawaii.
- Upitis, R., Brook, J., & Abrami, P. C. (2014, January). Enhancing music learning with digital tools. Paper presented at the Hawaii International Conference on Arts and Humanities (HICAH), Honolulu, Hawaii.
- Bures, E. M., Lysenko, L. V., Barclay, A., & Abrami, P. C. (2013, April). Supporting student teachers' reflective practice through electronic professional portfolios. Paper presented at the American Educational Research Association (AERA) annual meeting, San Francisco, CA.
- Bures, E. M., Venkatesh, V., & Abrami, P. C. (2013, April). How do electronic portfolios support the development of literacy and self-regulated learning in elementary students? Paper presented at the American Educational Research Association (AERA) annual meeting, San Francisco, CA.
- Bures, E., & Abrami, P. C. (2013, June). The Second generation of online discussion forums: Going beyond marginalia to ice-cream. Paper presented at the annual meeting of the World Conference on Educational Multimedia, Hypermedia and Telecommunications (EdMedia), Victoria, BC, Canada.
- Bures, E. & Abrami, P.C. (2013, August). Electronic portfolios to mindfully scaffold student teachers' development of expertise. Paper presented at the Biennial meeting of the European Association for Research on Learning and Instruction (EARLI), Munich, Germany.
- Davidson, A.-L., Lysenko, L., Bures, E., Abrami, P. C., Wade, A., & Idan, E. (2013). Le design, le développement et l’implantation d’un portfolio électronique pour appuyer la formation initiale des enseignants et favoriser leur professionnalisation. In T. Karsenti, S. Collin & G. Dumouchel (Eds.), *Actes du Colloque scientifique international sur les TIC en éducation : bilan, enjeux actuels et perspectives futures* (pp. 555-560). Montreal, QC: Centre de recherche interuniversitaire sur la formation et la profession enseignante.
- Upitis, R., Abrami, P. C., Varela, W., & Elster, A. (2013, January). iSCORE: A web-based tool for enhancing music learning. Paper to be presented at the 11th Annual Hawaii International Conference on Arts & Humanities, Honolulu, Hawaii.
- Upitis, R., Brook, J., & Abrami, P. C. (2013, April). iSCORE: A web-based tool for music learning. Paper presented at the American Educational Research Association (AERA) annual meeting, San Francisco, CA.
- Upitis, R., & Abrami, P. C. (2013, October). Towards developing independent musicians. Paper presented at the Ireland International Conference on Education (IICE), Dublin, Ireland.
- Upitis, R., Brook, J. & Abrami, P.C. (2012, November). iSCORE: Providing effective professional development for users of an online music education tool. Paper presented at the fifth international conference of Education, Research and Innovation, Madrid, Spain.
- Lysenko, L., Bures, E., Idan, E., Wade, A., Abrami, P. C., & Meyer, E. (2012, October). An electronic portfolio for teachers: Design and preliminary assessment. In the proceedings of the 17th Annual E-Learn World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education (pp. 1133-1142). Chesapeake, VA: AACE.
- Lysenko, L., Bures, E., Idan, E., Wade, A., Abrami, P. C., & Meyer, E. (2012, October). An electronic portfolio for teachers: Design and preliminary assessment. Paper presented at the 17th Annual E-Learn World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education, Montreal, QC, Canada.
- Upitis, R., Brook, J., Abrami, P. C., Varela, W., & Elster, A. (2012, July). Revitalizing studio music learning through digital portfolios. Paper presented at the ISME Commission for Research in Music Education, 24th International Seminar, University of Macedonia, Thessaloniki, Greece.
- Upitis, R., Brook, J., Abrami, P. C., Varela, W., & Elster, A. (2012, July). Revitalizing studio music learning through



digital portfolios. In Proceedings of the Commission for Research in Music Education, 24th International Seminar (pp. 239-246). University of Macedonia, Thessaloniki, Greece.

Davidson, A.-L., Lysenko, L., Bures, E., Abrami, P. C., Wade, A., & Idan, E. (2012, May). The design, development and implementation of an electronic portfolio-ePEARL Level 4, to help the professionalization of teachers/Le design, le développement et l'implantation d'un portfolio électronique pour appuyer la formation des enseignants et favoriser leur professionnalisation. Paper presented at the International Scientific Conference on ICT and Education: past, current and future trends, Montreal, QC, Canada.

Bures, E., Barclay, A., Abrami, P. C., Meyer, E., & Venkatesh, V. (2012, April). The reality of assessing "authentic" portfolios: Can electronic portfolios serve as a form of standardized assessment of literacy and self-regulated learning at the elementary level? Paper presented at the American Educational Research Association (AERA) annual meeting, Vancouver, BC, Canada.

Upitis, R., Abrami, P. C., Elster, A., Varela, W., & Brook, J. (2012, April). On the importance of self-regulation in learning to play a musical instrument: A theoretical basis for designing iSCORE, a digital tool for music learning. Paper presented at the International Organization of Social Sciences and Behavioral Research (IOSSBR) conference, Atlantic City, NJ.

Bures, E., Barclay, A., Abrami, P. C., Meyer, E., & Venkatesh, V. (2011, September). The 'mixed bag' of electronic portfolio assessment: Can electronic portfolios be a form of standardized assessment? Paper presented at the European Association for Research on Learning and Instruction (EARLI) biennial conference, Exeter, United Kingdom.

Stenzel, T., Diner, L., & White, B. (2011, June). ePEARL: E-Portfolio encouraging active reflective learning K-12. Poster presented at the 32nd annual conference of the International Society for Technology in Education (ISTE), Philadelphia, PA.

Lebel, C., Abrami, P. C., Wade, A., & Meyer, E. (2011, May*). ePEARL: An electronic portfolio encouraging self-regulation In the proceedings of the sixth colloquium of le Centre interuniversitaire de recherche en technologies d'apprentissage (CIRTA). Quebec, QC: CIRTA (*addition to original proceedings published in 2009, November).
http://www.matimtl.ca/sites/MATI/documents/cirta_archives/ePEARL_CIRTA_200100315%5B2%5D.doc

Idan, E., Abrami, P. C., Wade, A., & Meyer, E. (2011, March). Designing for the development of self-regulation: A web-based electronic portfolio for adult learners. In the International Technology, Education and Development (INTED) conference proceedings (5th ed.). Valencia, Spain: INTED.

Idan, E., Abrami, P. C., Wade, A., & Meyer, E. (2011, March). Designing for the development of self-regulation: A web-based electronic portfolio for adult learners. Paper presented at the International Technology, Education and Development conference, Valencia, Spain.

Abrami, P. C., & Bures, E. (2011, January). Notes in the online margins: (Re)-Designing an annotation feature while concomitantly exploring intended and unanticipated ways university students use the feature. Paper presented at the Hawaii International Conference on Education, Honolulu, Hawaii.

Lebel, C., & Pillay, V. (2010, January). ePEARL. Workshop presented at the Département d'éducation, Université de Québec à Montréal (UQAM), Montreal, QC, Canada.

Meyer, E., Abrami, P. C., & Wade, A. (2010, May). Improving teaching strategies and learning outcomes with Electronic Portfolios. Paper presented at the American Educational Research Association (AERA), Denver, CO.

Stenzel, T., Diner, L., & White, B. J. (2010, June). ePearl: Portfolios in the classroom. Paper presented at the International Society for Technology in Education (ISTE), Denver, CO.

Upitis, R., & Abrami, P. C. (2010, May). Developing ecological habits of mind through the support of electronic portfolios. Paper presented at the American Educational Research Association (AERA), Denver, CO.

Upitis, R., Patteson, A., & Abrami, P. C. (2010, May). E-learning, ecology and an arts education institutional partnership. In proceedings of the Canada International Conference on Education (CICE) (pp. 225-230). Toronto, ON, Canada.



Uptis, R., Patteson, A., & Abrami, P. C. (2010, May). Developing ecological habits of mind. Paper presented at the Canadian Society for the Study of Education (CSSE) and the Canadian Association for Curriculum Studies annual conference, Montreal, QC, Canada.

Uptis, R., Patteson, A., & Abrami, P. C. (2010, May). E-learning, ecology and an arts education institutional partnership. Paper presented at the Canada International Conference on Education (CICE), Toronto, ON, Canada.

Uptis, R., Abrami, P. C., Brook, J., Troop, M., & Varela, W. (2010, November). Using ePEARL for music teaching: A case study. Paper presented at the International Association for the Scientific Knowledge conference, Oviedo, Spain.

Uptis, R., Abrami, P. C., Brook, J., Troop, M., & Catalano, L. (2010, November). Using ePEARL for music teaching: A case study. In G. Pérex-Bustamante, K. Physavat & F. Ferreria (Eds.), proceedings of the International Association for Scientific Knowledge Conference (pp. 36-45). Seville, Spain: IASK press.

Wade, A., & Uptis, R. (2010, February). Using electronic portfolios in the arts: An introduction to ePEARL. Workshop presented at the Royal Conservatory of Music, Toronto, ON, Canada.

Abrami, P. C., Wade, A., & Meyer, E. J. (2009, June). Improving teaching and learning with electronic portfolios: The effectiveness and implementation of ePEARL. Paper presented at the European Institute for E-Learning's (EIFEL) seventh international ePortfolio conference, Innovation, Creativity and Accountability, Learning Forum, London, England.

Abrami, P. C., Wade, A., Lebel, C., & Meyer, E. (2009, November). PERLE: un portfolio électronique supportant l'autorégulation. Paper presented at the sixth colloquium of le Centre interuniversitaire de recherche en technologies d'apprentissage (CIRTA), Quebec, QC, Canada.

Abrami, P.C., Wade, A.C., Savage, R.S., Deleveaux, G. & Meyer, E. (2009, May). The learning toolkit (LTK): Evidence-based educational software. Paper presented at the Canadian Association of Educational Psychology (CAEP) conference during the Canadian Society for the Study of Education (CSSE) Conference, Ottawa, ON, Canada.

Aslan, O., Schmid, R. F., & Abrami, P. C. (2009, April). Using an electronic portfolio to develop SRL and writing skills in at-risk students. Poster presented at the International conference on Multimedia, Information and Communication Technologies in Education (M-ICTE), Lisbon, Portugal.

Aslan, O., Schmid, R. F., & Abrami, P. C. (2009, May). Using ePortfolio and modeling to develop self regulated learning and French writing skills in at-risk students. Poster presented at the thirty seventh annual Canadian Society for the Study of Education (CSSE) conference, Ottawa, ON, Canada.

Bures, E., Barclay, A., Abrami, P.C. & Meyer, E. (2009, August). Contextualizing student assessment: How can teachers effectively assess electronic portfolios? Paper presented at the European Association of Research and Learning in Instruction (EARLI), Amsterdam.

Lebel, C., & Bernath, L. (2009, December). ePEARL. Workshop presented at the MATI meeting on portfolio standards, Montreal, QC, Canada.

Meyer, E., Abrami, P.C. & Wade, A. (2009, April). Electronic portfolios in the classroom: Factors impacting teacher's integration of new technologies and new pedagogies. Paper presented at the annual meeting of the American Educational Research Association (AERA), San Diego, CA.

Meyer, E.J., Abrami, P.C. & Wade, A. (2009, May). Improving teaching and learning with electronic portfolios. Paper presented at the Canadian Society for the Study of Education (CSSE), Ottawa, ON, Canada.

Wade, A. (2009, June). Using ePEARL in the classroom. Workshop presented at the Lester B. Pearson School Board K4 teachers, Dorval, QC, Canada.

Wade, A., & Deleveaux, G. (2009, October - November). Using ePEARL in the classroom. Three workshops presented at the English Montreal School Board (EMSB) Pedagogical Services ICT Day, Montreal, QC.

Aslan, O., Schmid, R., & Abrami, P. C. (2008, March). Using an electronic portfolio to develop SRL and second language writing skills in at-risk students. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.



Aslan, O., Schmid, R., & Abrami, P. C. (2008, May). Using an electronic portfolio to develop self-regulation and writing skills in children with learning disabilities. Paper presented at ePortfolio & Digital Identity, Concordia University, Montreal, QC, Canada.

Abrami, P. C., Wade, A., White, B., Pillay, V., Aslan, O., & Meyer, E. (2008, May). Supporting learning through student-centred electronic portfolios. Paper presented at ePortfolio & Digital Identity, Concordia University, Montreal, QC, Canada.

Cooperberg, A., Meyer, E., Wade, A., White, B., & Idan, E. (2008, May). Professional training for ePortfolios: Designing a virtual tutorial for ePEARL. Workshop presented at the ePortfolio & Digital Identity Conference, Concordia University, Montreal, QC, Canada.

Egland, T., Zazula, D., & Wade, A. (2008, April). ePEARL – Starting the electronic portfolio in your elementary classroom. Workshop presented at the Digital Denizens: Keying into the 21st Century conference, Calgary, AB.

Wade, A. & Abrami, P. C. (2008, May). Encouraging self-regulated learning through electronic portfolios [Keynote speakers]. Digital Portfolio as a strategy for teachers’ professional development: International seminar, Helsinki, Finland.

Abrami, P. C., Wade, A., Pillay, V., Aslan, O., Bures, E., & Bentley, C. (2007, October). Encouraging self-regulated learning through electronic portfolios. Paper presented at E-Learn 2007, Quebec City, QC, Canada.

Abrami, P. C., Wade, A., Pillay, V., Aslan, O., Bures, E. M., & Bentley, C. (2007, October). Encouraging self-regulated learning through electronic portfolios. In R. Bastiaens & S. Carliner (Eds.), *Proceedings of E-Learn 2007: World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education* [Compact disc]. Chesapeake, VA: AACE.

Bures, E., Abrami, P. C., & Bentley, C. (2007, October). Electronic portfolios -- Now that we have them, what can we do with them? Paper presented at E-Learn 2007, Quebec City, QC, Canada.

Wade, A., Idan, E., Abrami, P. C., & Lebel, C. (2007, October). Electronic Portfolio Encouraging Active Reflective Learning Software (ePEARL). Paper presented at E-Learn 2007, Quebec City, QC, Canada.

Morris, K. L. (2006, March). Digital portfolio workbook for pre-service teachers. Paper presented at the Society for Information Technology and Teacher Education (SITE) International Conference (pp. 2295-2298), Orlando, FL.

Wade, A., Abrami, P. C., White, B., Nicolaidou, I. & Morris, K. (2006, October). ePEARL: Electronic portfolio encouraging active reflection learning. Paper presented at the European Institute for E-Learning (EIFEL) – Oxford ePortfolio Conference, London, England.

Reports

Abrami, P. C., Bures, E., Wade, A., Lysenko, L., & Davidson, A.-L. (2011, September). Promoting reflective teaching practices using ePEARL (Final Report). Montreal, QC: Ministère de l’Éducation, du Loisir et du Sport (MELS).

Media

Warwick, L. (2009, April). Student portfolios can measure progress. *Montreal Families*.
http://www.montrealfamilies.ca.sslpowered.com/articles/09_apr/ed_portfolios.htm

African Studies (Kenya)

Journals

Lysenko, L., Wade, C. A., Abrami, P. C., Iminza, R., & Kiforo, E. (2022). Self-regulated learning in Kenyan classrooms: A test of a process e-portfolio. *International Journal of Instruction*, 15(3), 63-82. https://www.e-iji.net/dosyalar/iji_2022_3_4.pdf

Media

Colloque Scientifique TICE. (2012, April). “PERLE” au Programme du colloque scientifique international sur les TIC en éducation : bilan, enjeux actuels et perspectives futures.



<http://www.youtube.com/watch?v=mGUnt8Ofj9c&context=C4370409ADvjVQa1PpcFPr6W8imprspLLKozaPiTDLtRjCJfpR6wY> .

ePEARL to shine at Congress: Montreal high school students and CSLP investigating human rights (2010, Jan.14). Concordia Journal. http://cjournal.concordia.ca/archives/20100114/epearl_to_shine_at_congress_2010.php
Venkatesh, V., & Abrami, P. C. (2012). Academic self-regulation in online learning environments: Research on electronic portfolios and Topic Map indexing tools. *Newsletter of the Studying and Self-Regulated Learning Special Interest Group.*, 4-5.
http://uhaweb.hartford.edu/ssrl/Newsletters/2012_Spring_SSRL_Newsletter_3_19_12.pdf



IS-21

Summary of Research

All CSLP tools are built on a foundation of solid research evidence and IS-21 is no exception: research on information literacy and the use of technology in learning provided the foundation for the tool’s development.

A field trial of the IS-21 software was conducted in Canadian schools to test the feasibility of using this tool to promote the development of students’ information literacy skills (Wade et al., 2020). This was a two-phase study where 189 elementary and early secondary students used IS-21 to complete an inquiry project. The project topics included Recycling, Natural Disasters and Advertising. The results from both phases consistently show that learning with IS-21 had a number of benefits for students. Primarily, the students’ gains were significant for overall and specific information literacy skills such as planning inquiry, searching and using information to generate knowledge. Further, after using IS-21, students improved their self-regulation skills of reflection and self-efficacy.

Teachers’ accounts of their experience of IS-21 research projects were positive. They reported that their students learnt how to do research with IS-21 and would be willing to use IS-21 in future. Notably, the most valuable aspect of completing IS-21 project was exposing students to the diversity of sources and making them apply meaningfully the criteria for selecting pertinent and high-quality sources to create their own knowledge on the topic of interest to them. The comprehensiveness of the tool was also praised by the teachers; on the other hand, the teachers agreed that it was overwhelmingly long to complete all twelve steps of IS-21. The issue of time was raised when teachers referred to pre-teaching the concepts and steps of research and providing necessary guidance to students to complete these steps in IS-21.

Canadian Studies

Journals and Newsletters

Wade, A., Lysenko, L., & Abrami, P.C. (2020). Developing information literacy skills through the inquiry process. *Journal of Information Literacy*. 14(2). 96-127. <http://dx.doi.org/10.11645/14.2.2754>
Wade, A., Abrami, P. C., White, B., Baron, M., Farmer, L., & Van Gelder, S. (2009). Information literacy: An essential competency in the twenty-first century. *L'Association des bibliothécaires du Québec Library Association (ABQLA) Bulletin*, 50(2), 20-23.
Wade, A., Abrami, P. C., White, B., Baron, M., Farmer, L., & Van Gelder, S. (2008, December). Information literacy: An essential competency in the twenty-first century [Electronic Version]. *Newsletter for IFLA: School Libraries*



and Resource Centers, 47, 15-18. Retrieved May 4, 2009, from <http://www.ifla.org/en/publications/newsletters-13>

Conferences

Abrami, P. C., Wade, A., Savage, R. S., Deleveaux, G., & Meyer, E. (2009, May). The learning toolkit (LTK): Evidence-based educational software. Paper presented at the thirty seventh annual Canadian Society for the Study of Education (CSSE) conference, Ottawa, ON, Canada.

Abrami, P. C., Wade, A., Farmer, L., Philips, J., Huebner, C., Baron, M., White, B., Peters, S., & Van Gelder, S. (2008, April). IS-21: Information skills for the information society in the twenty-first century. Poster presented at the Annual Meeting of the Quebec Library Association, Montreal, QC, Canada.

Wade, A. (2010, March). Information literacy for 10-14 year olds: The IS-21 project. Paper presented at the Quebec Librarians' Roundtable, Portes Ouvertes, Montreal, QC, Canada.

Wade, A. (2009, October). Developing inquiry strategies using IS-21 in the classroom. Workshop presented at the English Montreal School Board (EMSB) Pedagogical Services ICT Day, Montreal, QC, Canada.

Wade, A., & Abrami, P. C. (2010, March). Information literacy for 10-14 year olds: The IS-21 project. Online presentation presented at the Advanced Broadband Enable Learning (ABEL).

Wade, A., & Abrami, P. C. (2010, February). Information literacy for 10-14 year olds: The IS-21 project. Online presentation presented at the Canadian Network for Innovation in Education (CNIE) Wise & Witty Wednesday online seminar, Montreal, QC, Canada.

Wade, A., Abrami, P. C., Farmer, L., Henry, L., & Venkatesh, V. (2010, May). Inquiry strategies for the information society in the twenty-first century (IS-21). Paper presented at the Fifth International Conference of Learning International Networks Consortium (LINC), The Massachusetts Institute of Technology, Cambridge, MA.

Wade, A., Abrami, P. C., & White, B. (2010, November). Inquiry strategies for the information society in the twenty-first century (IS-21). Paper presented at the second conference of the library and information community of Québec, Montreal, QC, Canada.

Wade, A., Abrami, P. C., & White, B. (2009, May). Inquiry strategies for the information society in the twenty-first century (IS-21): A resource for schools. Paper presented at the annual conference of The Workshop for Instruction in Library Use (WILU), Montreal, QC, Canada.

Wade, A., & Baron, M. (2009, April). Developing inquiry skills through the use of IS-21. Workshop presented at the professional development day for library staff, English Montreal School Board, Montreal, QC, Canada.

Wade, A., Baron, M., & Van Gelder, S. (2008, December & October). Developing inquiry skills through the use of IS-21. Workshop conducted at the professional development day for library staff. Workshop presented at the English Montreal School Board with the pilot teachers, Montreal, QC, Canada.

Wade, A., Locke, J., & Devey, P. (2012, Aug.). An online information literacy course for undergraduates: Early experiences. Paper presented at the 2012 WLIC Conference Session "Information literacy meets E-learning", Helsinki, Finland.

Wade, A., Locke, J., & Devey, P. (2013, April). An online information literacy course for undergraduates: Some lessons learned. Presentation at the eEscape: Technology in teaching conference, Concordia University, Montreal, QC, Canada.

Reports

Wade, A. Abrami, P. & MacDonald, M. (2008, Feb.). *Inquiry strategies for the information society in the twenty-first century (IS-21)*. Final report prepared for Inukshuk Wireless. Montreal: Centre for the Study of Learning and Performance.



Media

Warwick, L. (2011, Nov.). Program teaches kids valuable research skills. *Montreal Families*, p.23.
<http://www.montrealfamilies.ca/Montreal-Families/November-2011/Program-teaches-kids-valuable-research-skills/>

Zarzour, K. (2011, Feb. 16). Tackling tech temptations [Wade quoted]. York Region.com.
<http://www.yorkregion.com/news/article/955780--tackling-tech-temptations>

Zarzour, K. (2011, Jan. 12). It’s wireless world in today’s classrooms [Wade quoted]. York Region.com.
<http://www.yorkregion.com/news/article/928416--it-s-wireless-world-in-today-s-classrooms>

Amend, E. (2007, Oct. 3). Internet help for parents. *The Chronicle*. Article on Information Literacy parent workshops given by Wade and Baron at Pierrefonds Public Library.

