

Professional Development Institute

Flex Course Syllabus

Developmentally Appropriate Content Activities for Early Learners (PreK-2)

PDI Course Number: 120T02

UCSD Course Number: EDUC40299

If you would like information about receiving post-baccalaureate (graduate) credit for completing this course, <u>please click here</u>.

Course Timeline

Participants have one year to complete the course. Participants must spend a minimum of three weeks in this course.

Course Description

As long as a classroom activity is designed for a specific grade level, then that must mean it is developmentally appropriate, right? Wrong! Developmentally appropriate activities are designed to be at the correct *developmental* level of the student, presented in an appropriate way so that s/he has access to the learning. This may or may not "mesh" with his/her grade or age level and applies to a broad spectrum of students including those with learning disabilities as well as students who are gifted and talented. This online course is designed for PreK-2 teachers who are looking to explore how to update their current curriculum to make it more developmentally appropriate for all their young learners. This course begins by defining exactly what developmentally appropriate means. As teachers progress through the course, they will learn about the importance of play. They will learn specific strategies for bringing developmentally appropriate activities into phonological awareness, phonics, and sight word instruction. Teachers will learn about the developmental stages of writing and will be introduced to a variety of activities to supplement their writing instruction. Additional developmentally appropriate strategies and activities are discussed for each of the content areas including mathematics, science, and social studies. By the end of this course, teachers will feel more confident and

successful in their quest to implement developmentally appropriate activities into their own teaching practices.

Educational Outcomes

- 1. Teachers will learn what it means to be "developmentally appropriate."
- 2. Teachers will learn best practices for creating developmentally appropriate lessons for their students.
- 3. Teachers will understand the benefits of incorporating developmentally appropriate activities into their own teaching practices.
- 4. Teachers will understand the principles that inform developmentally appropriate teaching practices.
- 5. Teachers will learn about the different types of play and why movement is instrumental to young students' learning schemas.
- 6. Teachers will learn specific strategies for incorporating developmentally appropriate structured play into their classrooms.
- 7. Teachers will learn specific strategies for incorporating developmentally appropriate activities into their phonological awareness, phonics, and sight word instruction.
- 8. Teachers will learn about the various stages of writing development and will be given specific ideas for incorporating developmentally appropriate activities into each of them (emergent, early, and fluent).
- 9. Teachers will learn about several developmentally appropriate writing activities that can be used to help students build their fine motor skills.
- 10. Teachers will learn about writing workshop and will be introduced to several developmentally appropriate mini lessons that can be used.
- 11. Teachers will explore specific developmentally appropriate activities which are designed to help PreK-2 students develop their numeracy skills and sense of number, pattern recognition and creation skills, sorting skills, measurement skills, and graphing skills.
- 12. Teachers will learn about the scientific method and how best to apply it at a developmentally appropriate level.
- 13. Teachers will learn specific strategies for incorporating students' interests into their science instruction.
- 14. Teachers will be introduced to the expanding communities model as a means to connect the content to social studies instruction.
- 15. Teachers will understand the various components of social studies and the benefits of teaching the subject at the PreK-2 level so that students can make deep connections to the world.
- 16. Teachers will learn how to properly use literature in order to fully develop a variety of social studies topics in their classrooms.

Instructional Media

- Online Discussions
- Online Engagement
- Online Collaboration
- Instructor Feedback

- Instructor Interaction
- Online Resources and Websites
- Supplemental Instructional Materials
- Printable Classroom Resources

Evaluation

- Test #1 (5% of final grade)
- Test #2 (5% of final grade)
- Test #3 (5% of final grade)
- Test #4 (5% of final grade)
- Test #5 (5% of final grade)
- Autobiography and Goals for the Course (10% of final grade)
- Article/Video Reflection (15% of final grade)
- Course Collaboration/Share Ideas with the Class (10% of final grade)
- Cumulative Assignment/Project: Design Five Developmentally Appropriate Activities (20% of final grade)
- Culminating Practicum (20% of final grade)

Topical Outline

Unit One

- An Introduction to Developmentally Appropriate Activities
- Developmentally Appropriate Activities
- The Importance of Play
- Assignment #1

Write an autobiography including information about yourself, your grade level and what you specifically hope to learn about incorporating developmentally appropriate activities into your teaching practices. Your autobiography should be a minimum of three paragraphs.

• Test #1

Unit Two

- Phonological Awareness Instruction
- Phonics Instruction
- Sight Word Instruction
- Assignment #2

As an educator, it is important to be aware of the research, studies, and professional work done in the field. In the course, you will find an article and video that are relevant to the specific course content. Read the article and then write an essay with your thoughts.

Test #2

Unit Three

- Stages of Writing
- Building Fine Motor Skills to Aid Writing
- Writing Instruction
- Assignment #3

Online Discussion Board Participation/Engagement: Please post a tip, strategy, or idea that specifically relates to effectively incorporating developmentally appropriate activities into the classroom. The tip, strategy, or idea that you share needs to make a difference to other teachers in their own classrooms. Your assignment should be a minimum of three paragraphs and detailed enough for another teacher to follow easily. This is a great opportunity to share and collaborate with other teachers at your grade level around the country. Take time to review and respond to other postings that are relevant to your classroom population in order to gain effective ideas to use immediately in your classroom

Test #3

Unit Four

- Numeracy/Number Sense Instruction
- Patterns and Sorting Instruction
- Measurement and Graphing Instruction
- Test #4

Unit Five

- Developing the Scientific Method in Young Learners
- Developmentally Appropriate Experiments for Young Learners
- Incorporating Students' Interest into Science Education
- Test #5

Unit Six

- Making Connections to the World
- Activities Following the Expanding Communities Model
- Using Literature to Develop Social Studies Topics
- Assignment #4

Create five classroom activities, one for each of the content areas mentioned in the course (reading/ELA, writing, mathematics, science, and social studies). Each of the activities should be developmentally appropriate to grades PreK-2 and should be original (meaning that they are different from what was discussed in the course). The activities should be described with enough detail so that someone else can easily use them in their own teaching practices. Follow the examples given throughout the course.

Be sure to label each activity with the grade level(s) and content area to which each activity best applies.

• Assignment #5

The culminating practicum is a three-step process. (1) In the first assignment, you were asked what goals you had and what you hoped to learn from the course. Think back to your original goals for this course. Write a minimum two-paragraph reflection specifically describing how what you learned can be used to help you reach those goal(s). (2) Next, write a minimum three-paragraph plan that specifically describes the ways in which you intend to implement a particular strategy you learned in this course into your own teaching situation. (3) Last, write a minimum two-paragraph reflection describing a student you have or have had in the past. Then, discuss how the strategies you learned in this course will specifically benefit that student as you put your plan into action.

Bibliography

Adams, M.J. (1990). *Beginning to Read: Thinking and Learning about Print*. Cambridge, MA: MIT Press.

Almerico, G.M. (n.d.). "Linking Children's literature with social studies in the elementary curriculum." Retrieved 24 June 24 2020 from https://www.aabri.com/manuscripts/131483.pdf

Almon, J., & E. Miller, E. (2010). "The Loss of Children's Play: A Public Health Issues." Retrieved 09 April 2020, from https://www.habitot.org/museum/pdf/play research/Health brief.pdf

Anderson, R.C., E.H. Hiebert, J.A. Scott, & I.A.G. Wilkinson (1985). "Becoming a Nation of Readers: The Report of the Commission on Reading." Retrieved 26 May 2020 from http://textproject.org/assets/library/resources/Anderson-Hiebert-Scott-Wilkinson-Becoming-a-Nation-of-Readers.pdf

Arrow Montessori School (2017)." Importance of Social Studies in Schools." Retrieved 24 June 2020 from https://www.arrowmontessori.com/importance-social-studies-schools/

Benham, V., & A. Sweeney. "Top Early Childhood Experts Meet at Scholastic." Retrieved 30 April 2020 at www.scholastic.com/teachers/articles/teaching-content/top-early-childhood-experts-meet-scholastic

Blevins, W. (n.d.). "Understanding Phonics." Retrieved 12 May 2020 from https://www.scholastic.com/teachers/articles/teaching-content/understanding-phonics/

Cafarella, J., A. McCulloch, & P. Bell (2017). "Why Do We Need to Teach Kids Science in Elementary School?" Retrieved 18 June 18 from http://stemteachingtools.org/brief/43#:~:text=Participation%20in%20quality%20science%20instruction,through%20elementary%20school%20and%20beyond.

Calkins, L. & TCRWP Colleagues (n.d.). "Units of Study: Reading, Writing, Phonics." Heinemann. Available for download at: https://samplers.heinemann.com/uos/overview

Children's Therapy & Family Resource Centre (2011). "School Aged Developmental Milestones." Retrieved 18 May 2020 from http://www.kamloopschildrenstherapy.org/fine-motor-skills-school-milestones

Coppens, T. (*Science Alcove*, Feb. 19, 2020). "How to Motivate Students to Love Science." [Blog post]. Retrieved 18 June 2020 from https://sciencealcove.com/2020/02/how-to-motivate-students-to-love-science/

Cozolino, L. (2013). "Nine Things Educators Need to Know About the Brain." Retrieved 10 April 2020 from

https://greatergood.berkeley.edu/article/item/nine_things_educators_need_to_know_about_the_b rain

Devlin, K. (2017). "Number Sense: the most important mathematical concept in 21st century K-12 education." Retrieved 24 Feb. 2020 from https://www.huffpost.com/entry/number-sense-the-most-important

Dolch Sight Words List. (n.d.). Retrieved May 2020 from https://sightwords.com/sightwords.com/sightwords/dolch/#lists

Dweck, C.S. (2006). Mindset: The New Psychology of Success. New York, NY: Ballantine.

Eghan, A. (2015). "Bridge the Word Gap: Speak 21,000 Words to Your Preschooler Daily." Retrieved 30 April 2020 from https://www.greatschools.org/gk/articles/word-gap-speak-more-words-to-your-preschooler-daily/

Entin, E. (2011). "All Work and No Play, Why Our Kids Are More Anxious, Depressed." Retrieved 09 April 2020, from https://www.theatlantic.com/health/archive/2011/10/all-work-and-no-play-why-your-kids-are-more-anxious-depressed/246422/

Fani, T. & F. Ghaemi (2011). "Implications of Vygotsky's Zone of Proximal Development (ZPD) in Teacher Education: ZPTD and Self-scaffolding." In *Procedia - Social and Behavioral Sciences*, 29, pgs. 1549-1554.

Feldgus, E.G., & I. Cardonick. (1999). *Kid Writing: A systematic approach to phonics, journals, and writing workshop*. Bothell, WA: Wright Group McGraw-Hill.

Fry Sight Words List. (n.d.). Retrieved May 2020 from https://sightwords.com/sightwords.com/sightwords/fry/#lists

Genius Hour (n.d.). "What is Genius Hour?" Retrieved 18 June 2020 from https://geniushour.com/what-is-genius-hour/

Gifford, S. (2017). "Developing Pattern Awareness in Young Children." Retrieved 09 June 2020 from https://nrich.maths.org/13362

Graham, S. (2018). "Practice Guide: Teaching Elementary School Students to be Effective Writers." Downloaded 18 May 2020 from https://ies.ed.gov/ncee/wwc/PracticeGuide/17

Hartmann, Jack (n.d.). New Sight Word Song 1. Retrieved May 2020 from https://www.youtube.com/watch?v=gIZjrcG9pW0

Hartmann, Jack (n.d). Sight Word Song 2. Retrieved May 2020 from https://www.youtube.com/watch?v=2eFfy9seh28

Having Fun Teaching. (2018). Sight Word Songs Collections. Retrieved May 2020 from https://www.youtube.com/watch?v=zH1Ir-JWRYQ

Hinzman, M. & D.K. Reed (2018). "Teaching Sight Words as Part of Comprehensive Reading Instruction." Retrieved 27 May 2020 from https://iowareadingresearch.org/blog/teaching-sight-words

Hogan, J. (2017). "Demystifying Math: What is Number Sense?" Retrieved 24 Feb. 2020 from https://www.scholastic.com/parents/school-success/learning-toolkit-blog/demystifying-math-what-number-sense.html

Hom, E.J. (2014, February 11). "What is STEM education?" Retrieved 18 June 2020 from https://www.livescience.com/43296-what-is-stem-education.html

How to teach your child to read-Part 8 using syllables. (n.d.). Retrieved from https://www.youtube.com/watch?v=8h1LyfCiGck

Hurst, M., & S. Levine (Nov. 14, 2018, DREME). "Math Talk: Measurement at Home." [Blog post]. Retrieved 11 June 2020 from https://dreme.stanford.edu/news/math-talk-measurement-home

iExploreScience (n.d.). "How to Set Up Science Stations in Your Classroom." Retrieved 18 June 2020 from https://iexplorescience.com/2018/07/05/how-to-science-stations/

Jackson, L.A. (2009). "Observing children's stress behaviors in a kindergarten classroom." In *Early Childhood Research & Practice*, 11(1). Available at: https://files.eric.ed.gov/fulltext/EJ848845.pdf

Kids Academy (n.d.). "5 Hands-on Strategies to Teach Measurement for Grades 1-3." Retrieved 11 June 2020 from https://www.kidsacademy.mobi/storytime/strategies-teach-measurements/

Kindergarten Connection (n.d.). "The Secrets of Developing Graphing Skills." [Blog post]. Retrieved 15 June 2020 from https://thekindergartenconnection.com/secrets-developing-graphing-skills/

Koroluk, N. (2015). "Brain-Based Education." In *BU Journal of Graduate Studies in Education*, 7(1), pgs. 9–13.

Laxman, K. & Y.K. Chin (2010). "Brain-Based Education: Its Pedagogical Implications and Research Relevance." In *Journal on Educational Psychology*, 4(2), pgs. 1-5.

Learn (2016). "Writing Workshop." Retrieved 26 May 2020 from https://learn.cli.org/best-practices/writing-workshop/overview

The Learning Lodge (Aug. 16, 2018). "How Preschoolers Can Learn the Scientific Method." [Blog post]. Retrieved 18 June 2020 from http://www.thelearninglodgeinramsey.com/about-us/blog/entryid/33/how-preschoolers-can-learn-the-scientific-method

Left Brain Craft Brain (2019). "What is STEAM and Why is it Important?: Retrieved 18 June 2020 from https://leftbraincraftbrain.com/what-is-steam-and-why-is-steam-important/?cn-reloaded=1

Literacy Today (2019). "Development of Writing." Retrieved 15 June 2020, from https://www.literacytoday.ca/primary/writing-production/writing-process/development-of-writing/

Maroney, D. (2018). "Child Stress Symptoms." In *The Imagine Project, Inc.* Retrieved 30 April 2020 from https://www.theimagineproject.org

May, L. (n.d.). "What are the benefits to using trade books in the classroom?" Retrieved 24 June 2020 from https://classroom.synonym.com/benefits-using-trade-books-classroom-6790250.html

McLeod, S. (2018). "Jean Piaget's Theory of Cognitive Development" Retrieved 27 April 2020 from https://www.simplypsychology.org/piaget.html

McQuitty, V. (n.d.). "Approaches to Writing Instruction in Elementary Classrooms." Retrieved 12 June 2020 from https://milnepublishing.geneseo.edu/steps-to-success/chapter/6-approaches-to-writing-instruction-in-elementary-classrooms/

Moats, L.C., & C.A. Tolman (2019). LETRS (Vol. 1). Dallas, TX: Voyager Sopris.

Mulvahill, E. (2018). "What is Genius Hour and How Can I Try It in My Class?" Retrieved18 June 2020 from https://www.weareteachers.com/what-is-genius-hour/#:~:text=Simply%20put%2C%20Genius%20Hour%20is,structured%2C%20but%20supported%2C%20way.

National Association for the Education of Young Children (NAEYC, 2009). "10 Effective DAP Teaching Strategies." Retrieved 27 April 2020 from https://www.naeyc.org/resources/topics/dap/10-effective-dap-teaching-strategies

National Council for the Social Studies (NCSS, 2017*a*). "Early Childhood in the Social Studies Context." Retrieved 24 June 2020 from https://www.socialstudies.org/early-childhood-social-studies-context

National Council for the Social Studies (NCSS, 2017*b*). "Powerful, Purposeful Pedagogy in Elementary School Social Studies." Retrieved 24 June 24 2020 from https://www.socialstudies.org/positions/powerfulandpurposeful

National Reading Panel (NICHD, 2000). "Teaching Children to Read: An Evidence-based Assessment of Scientific Research Literature on Reading and Its Implications for Reading Instruction." Retrieved 28 April 2020 from https://nichd.nih.gov/sites/default/files/publications/pubs/nrp/Documents/reports.pdf

Pappas, S. (2011). "As Schools Cut Recess, Kids' Learning Will Suffer." Retrieved 04 April 2020 from https://www.livescience.com/15555-schools-cut-recess-learning-suffers.html

Patte, M. (n.d.). "The Decline of Unstructured Play." Retrieved 27 April 2020 from https://www.thegeniusofplay.org/genius/expert-advice/articles/the-decline-of-unstructured-play.aspx#.XqelwWhKiUk

Paula's Primary Classroom (Feb. 26, 2016). "Why graph with kids?" [Blog post]. Retrieved 15 June 2020 from http://paulaspreschoolandkindergarten.blogspot.com/2016/02/why-graph-with-kids.html

Penn State University (2020). "Exploring Developmentally Appropriate Practices." Retrieved 30 April 2020 from www.extension.psu.edu/programs/betterkidcare/early-care/tip-pages/all/exploring-developmentally-appropriate-practices

Phonemic Awareness Activity: CVC words (n.d). Retrieved April 2020 from https://www.youtube.com/watch?v=NtfVMiVTcCc

Pohl, M. (2000). Learning to Think, Thinking to Learn: Model and Strategies to Develop a Classroom Culture of Thinking. Cheltenham, Australia: Hawker Brownlow Education.

The Reading League. Retrieved April 2020 from www.thereadingleague.org

Reading Rockets (n.d.*a*). "Phonological and Phonemic Awareness." Retrieved 26 May 2020 from https://www.readingrockets.org/teaching/reading-basics/phonemic

Reading Rockets (n.d.b). "Elkonin Boxes." Retrieved 26 May 2020 from https://www.readingrockets.org/strategies/elkonin_boxes

Russell, D. (2020). "Attributes in Mathematics." Retrieved 11 June 11 2020 from https://www.thoughtco.com/definition-of-attribute-2312363

Saaverdra, D.R.M. (2015). "A Game Plan for 12 to 20 Meaningful Exposures." Retrieved 26 May 2020 from http://www.ascd.org/ascd-express/vol10/1021-saavedra.aspx

SandZ Academy (2015) Sight Words for Kindergarten. Retrieved 26 May 2020 from https://www.youtube.com/watch?v=2eFfy9seh28

scientific method. In *dictionary.com*. Retrieved 25 June 2020 from https://www.dictionary.com/browse/scientific-method?s=t

The Sight Word Song. (2014). Harry Kindergarten Music. https://www.youtube.com/watch?v=1rmYfo84hyg

Snow, C.E., M.S. Burns, & P. Griffin (Eds., 1998). Preventing Reading Difficulties in Young Children." Retrieved 26 May 2020 from https://files.eric.ed.gov/fulltext/ED416465.pdf

Snowling, M.J., & C. Hulme (2005). *The Science of Reading: A Handbook*. Victoria, Australia: Blackwell Publishing.

Teach.com (n.d.). "Teaching Social Studies." Retrieved 24 June 2020 from https://teach.com/careers/become-a-teacher/what-can-i-teach/social-studies/

trade books. In *dictionary.com*. Retrieved 24 June 2020 from https://www.dictionary.com/browse/trade-book?s=t

U.S. Department of Health and Human Services. (2019). "National Reading Panel (Historical)." Owner: Child Development and Behavior Branch. Retrieved 28 April 2020 https://nichd.nih.gov/research/support/nrp

Way, J. (2011). "Number Sense Series: Developing Early Number Sense." Retrieved 24 Feb. 2020 from https://nrich.maths.org/2477

Whitaker, C. (n.d.). "Best Practices in Teaching Writing." Retrieved 12 June 2020 from https://www.learner.org/wp-content/uploads/2019/06/write-middle-interactive-best-practices-teaching-writing-1.pdf

Willis, J. (2007). "The Neuroscience of Joyful Education." Retrieved 21 April 2020 from www.ascd.org/publication/educational-leadership/summer07/Vol64/num09/The-Neuroscience-of-Joyful-Education.aspx

Willis, S. (1993). "Educators Seek 'Developmental Appropriateness." Retrieved 07 April 2020 from http://www.ascd.org/publications/curriculum-update/nov1993/Teaching-Young-Children.aspx

Wilson, D. (2014). "Move Your Body, Grow Your Brain." Retrieved 10 April 2020 from https://www.edutopia.org/blog/move-body-grow-brain-donna-wilson

Wisconsin Department of Public Instruction (n.d.). "Early Childhood: Developmentally Appropriate Practices." Retrieved 03 April 2020 from https://dpi.wi.gov/early-childhood/devel-approp

WriteReader (Feb. 19, 2019). "Stages of Writing Development." [Blog post]. Retrieved 15 June 2020 from https://www.writereader.com/en/blog/stages-of-writing-development

Your Dictionary. "Common Formative Assessment Examples." Retrieved 01 May 2020 at https://www.examples.yourdictionary.com/common-formative-assessments-examples.html