

APCDEFGHLOKUMNOPORSTUWWKYZ abcdefghijklunnopgretuvwxyz Agenda A Research findings on letter
learning B Characteristics of letters that
may facilitate learning C Research findings on alphabet
instruction D Evidence-based strategies for
alphabet instruction

APC.DEF.GHLOKLMNOPORSTUWWXY2 cabcdefgNijklinnopqustuvwxx2
Current Challenges
There are wide ranges of alphabet learning in young children.
Approaches to alphabet teaching vary greatly with relatively little knowledge about the impact of these various methods of instruction (Piasta & Wagner, 2010a).

APC.DEFGHI3KLMNOPQRSTUVWXYZabcdefghijklmnopqnstuvwxyz

Early Learning Standards

Early Learning Standards or Guidelines across the states have a range of letter learning expectation from "some" to a specific number (e.g. ranging from 10 to 20).

Newly revised Head Start standards (2015) have increased the letter learning benchmark to:

- 18 uppercase letter names
- 15 lowercase letter names
- knows the sounds associated with several letters

APC.DEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz

Colorado Early Learning and Development Guidelines

1. recognize that the letters of the alphabet are a special category of visual graphics that can be individually named.

2. recognize that letters of the alphabet have distinct sound(s) associated with them.

3. attend to the beginning letters and sounds in familiar words.

4. identify letters and associate correct sounds with letters.

APC.DEFGHIJKLMNOPQRSTUVWXYZabcdefghijklinnopqnstuvwxyz

Common Core Reading Standards: Kindergarten Foundational Skills

- 1. Print concepts: Demonstrate understanding of organization and features of print:
 - a. Follow words left-right, top-bottom, page-page
 - b. Recognize spoken words represent written words with specific letter sequences
 - c. Use spaces between words
 - d. Name all upper and lower case letters



Common Core Reading Standards: Kindergarten Foundational Skills

- Phonics and word recognition: Know and apply grade-level and word analysis skills in decoding words
- a. Demonstrate knowledge of 1:1 letter-sound correspondences
- b. Associate long/short sounds with common spellings for 5 major vowels
- c. Read common high-frequency words by sight
- d. Distinguish between similarly spelled words by identifying sound of letters that differ

APC.DEFGHIJKLMNOPQRSTUVWXYZabcdefghijklinnopqnstuvwxyz

Definitions

Early literacy learning is defined as the time period from birth to six years of age (Robyak, Masiello, Trivette, Roper & Dunst, 2007).

Early reading and writing occur in kindergarten into the early elementary grades.

Early Childhood is the period from



APC.DEF.GHIJKLMINOPORSTUWXYZ abcdefgNijklinnopqustuwwxyz Natrow Window for Alphabet Learning • Floor effects in preschool children

• Ceiling effects in studies with older children (Ouellette & Haley, 2013)

APC.DEFGHIJKLMNOPORSTUWWXYZabcdefghijklmnopqnstuvwxyz

Alphabet Knowledge

birth through age 8.

Understanding of letter forms, names and corresponding sounds

Measured by

- Recognition: ask the student to find the letter 'M'
- **Production**: show the letter 'M' and ask the student to name the letter and/or sound
- Writing: ask the student to write the shape of the letter 'M' (National Early Literacy Panel, 2008)

























(Bailet, et al., 2009; Evans et al., 2006; Foulin, 2005; Piatsta & Wagner, 2010b; Treiman, Tincoff, Rodriguez, Mouzaki, & Francis, 1998)

tter name knowledge in 3-4 yr. olds Istice et al., 2006)	Impact Size
wn-name advantage Any letter Initial letter	11 X 1.5 X 7.3 X
Alphabet order hypothesis	1.02 X
Letter-name/sound pronunciation effect CV vs VC CV vs NOT	n.s. 1.8 X
Consonant order hypothesis	1.09 X





(c) Lucy Hart Paulson, EdD, CCC-SLP

ildren Across Let ildren Across Let	mination of ters and of l	Kinder Letters	ological garten Across
Task	Mean	SD	Range
Task U/C Names	Mean 23.1	SD 4.9	Range 2-26
Task U/C Names L/C Names	Mean 23.1 19.5	SD 4.9 6.1	Range 2-26 1-26







SAME	SIMILAR	DIFFERENT

APCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklinnopqnstuvwxyz

Visual Shape Characteristics

Straight il Curved CcJjOoSsU Straight Intersections EFHILT† Curved Intersections BDGPQabdefgh mnpqru Diagonal Intersections AKMN(R)VWXYZk vwxyz



Visual Cor	ntrasts
E/F	b/d/p/q
M/N/W	m/n/u
P/R C/G O/Q	 These are ones to NOT teach together at first. Later, these contrasts may be important to highlight.

Løefghiðklimm Similar So	oparstowayz	abodefghij	klinnopqrstUvv
/ā/	/ē /		/ĕ/
/ū/	/ī/	/ō/	/ah/





Write the alphabe /āch/ /sē/ /kā/ /wī / /jē/ /ŏr/	et letter that matche /dē/ /ěks/ /ē / /ěf/ /ī / /jā/	<pre>/ěn/ /zē/ /ā / /pē/ / ō / /ěs/ /vē./</pre>
/or/ /tē/ /yū/ /ěm/	/Ja/ /ĕl/ /bē/ /kyū/	/es/ /vē/ /dŭbŭlyū/



APC.DEFGHIJKLMNOPORSTUVWXYZabcdefghijklinnopqrstuvwxyz What squared up? What's going around? 3 key points?



References

- Adams, M. J. (2013). ABC Foundations for Young Children: A Classroom Curriculum. Baltimore, MD: Brookes Publishing Adams, M. J. (1990). Beginning to read, thinking and learning about print. Cambridge, MA: MIT Press. Bailet, L., Repper, K., Piasta, S. & Murphy, S. (2009). Emergent literacy intervention for prekindergarteners at risk for reading failure. Journal of Learning Disabilities, 42(4), 336–355. Catts, H. W., Nielsen, D. C., Bridges, M. S., Liu, Y. S., & Bontempo, D. E. (2015). Early identification of reading disabilities within an RTI framework. *Journal of learning alsabilities*, 42(8), 231–297. Evans, M. A., Bell, M., Shaw, D., Moretti, S., & Page, J. (2006). Letter names, letter sounds and phonological awareness:

- An examination of kindergarten children across letters and of letters across children. Reading and Writing, 19(9), 959-Feder, K. P., & Majnemer, A. (2007). Handwriting development, competency, and intervention. Developmental Medicin
- & Child Neurology, 49(4), 312-317. Foulin, J. N. (2005). Why is letter-name knowledge such a good predictor of learning to read? Reading and Writing, 18,
- 129-155 nstitute for Literacy. (2008). [Early literacy predictors of later reading outcomes]. Results from the National Early
- Institute for Literacy, (2008), [Early literacy predictors of later recoding outcomes]. Results from the National Early Literacy Panel. Louisollie, KY: National Center for Family Literacy. Jones, C. D., Clark, S. K. & Reutzel, D. R. (2012). Enhancing alphabet knowledge instruction: Research implications and practical strategies for early childhood educators. *Early Childhood Education Journal*, DOI 10.1007/s10643-012-0534-9. Justice, L. M., Pence, K., Bowles, R. B., & Wiggins, A. (2006). An investigation of four hypotheses concerning the order by which children learn the letters of the alphabet. *Early Childhood Education Lourely*, 22, 137-4389. Moats, L. C. (2009). *Language essentials for teachers of reading and spelling*, Longmont, CO: Sopris West Educational Services.
- Services National Institute for Literacy. (2008). [Early literacy predictors of later reading outcomes]. Preliminary results from the National Early Literacy Panel. Louisville, KY: National Center for Family Literacy.

- National Institute of Child Health and Human Development. (2000). Report of the national reading panel. Teaching children to read: Reports of the subgroups. Retrieved from <u>http://www.nichd</u>.
- nih.gov/publications/pubs/readbro.htm. Ouellette, G. P., & Haley, A. (2013). One complicated extended family: The influence of alphabetic knowledge and vocabulary on phonemic awareness. Journal of Research in Reading, 36(1), 29-41. Paulson, L. H., Noble, L. A., Jepson, S., & van den Pol, R. (2001). Building early literacy and language skills, Sopris

- Paulson, L. H., Noble, L. A., Jepson, S., & van den Pol, R. (2001). Building early literacy and language skills, Sopris West, Longmont, C.O.
 Piasta, S. B, Petscher, Y. & Justice, L. M. (2012). How many letters should preschoolers in public programs know? The diagnostic efficiency of various preschool letter-anning benchmarks for predicting first-grade literacy achievement. *Journal of Educational Psychology*, 104:4, 945–958.
 Piasta, S. B. & Wagner, R. K. (2010). Developing early literacy skills: A meta-analysis of alphabet learning and instruction. Reading Research Quarterly, 45:1, 8-38.
 Piasta, S. B. & Wagner, R. K. (2010b). Learning letter names and sounds: Effects of instruction, letter type, and phonological processing skill. Journal of *Sperimental Child Psychology*, 105, 324-344.
 Puolslanaho, A., Ahonen, T., Aro, M., Eklund, K., Leppänen, P. H., Poikkeus, A. M., ... & Lyttinen, H. (2007). Very early phonological and language skills: estimating individual risk of reading disbility. *Journal of Child Psychology and Psychiotry*, 48(9), 923-931. rsychiadry, 48(9), 925-931. Robins, S., Treiman, R., & Rosales, N. (2014). Letter knowledge in parent–child conversations. *Reading and writing*,
- 27(3), 407-429.
- 27(3), 407–429. Robyak, Masiello, Trivette, Roper & Dunst, (2007). Mapping the contemporary Landscape of early literacy learning, CELLreviews, 1(1). Center for Early Literacy and Learning, <u>http://www.earl/literacylearning.org/orducttccnb</u>, Treimana, R., Trachoff, R., Rodriguez, K., Mouzaki, A. & Francis, D. J. (1998). The foundations of literacy: Learning the sounds of letters. *Child Development*, 69: 1524–1540. doi: 10.1111/j.1467-8624.1998.tbb6175 x U.S. Department of Health and Human Services, Administration for Children and families. (2015). Head Start Early Learning Outcomes Framework: Ages Birth to Five. Washington, DC: Author.