



# ARIZONA DEPARTMENT OF EDUCATION

Each reading program will be scored using a rubric. A response must meet **all** the criteria in each scored area to be included on the K-3 MOWR vetted reading program list. Peer Review will be noted but does not disqualify overall approval.

Study: <a href="#">Integrating Literacy and Science Instruction in Kindergarten: Results From the Efficacy Study of Zoology One</a> Date of Study: 2016-2018 Grade Levels of Study: Kinder Core Program's Marketed Name: Arc Core Kindergarten American Reading 2019		
	Rating or Measure Select: Y or N	Rationale
ESSA Evidence Tier	Y	
Independent Researchers (Y/N)	Y	Published in Journal of Research on Educational Effectiveness, University of Penn, Penn State University
Established Measure (Y/N)	Y	Woodcock Reading Mastery Test Developmental Reading Assessment AIMS Web Pre and posttest assessments of all
Sample Size	Y	21 schools in school district of Philadelphia Students – 1,589 Cohort 1 - 12 schools, 40 kinder classrooms 2016-17 Cohort 2 – 21 schools, 31 kinder classrooms 2017-18

		Table 2 showed demographics
Research Design	Y	Longitudinal, randomized control trial, multi-site
Outcome	Y	Positive impact on reading comprehension and letter naming fluency. With high-fidelity implementation of program it can yield additional impact on decoding. Students scored significantly higher on passage comprehension but not word identification, word attack, or word comprehension.
Effect Size	Y	Passage comprehension $p=0.035$ Letter naming $p= 0.044$
*Peer Review (Y/N)	Y	Routledge, Taylor and Francis Group

MOWR Committee findings:

-Will remain on the MOWR Core Program Vetted List.