

TOOLBARS LEARN COMPLEX ACTIONS FROM PICTURE-BOOK READING

【 研 究 】 American Psychological Association
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【 研 究 】 Toddler picture-book reading teaches action

November 5, 2016 WASHINGTON, DC – Parents who engage in the age-old tradition of picture-book reading are not only encouraging early reading development in their children but are also teaching their toddlers about the world around them, according to a study in the November issue of Developmental Psychology, published by the American Psychological Association (APA). This finding shows that interactions with illustrated picture books aid in children's learning.

Parents of preschool children reported that they own dozens of children's picture books and spend approximately 40 minutes a day reading books to their small children. To determine the extent of a young child's ability to learn from a picture-book, psychologist Gabrielle Saxe, PhD, University of Queensland and co-author and psychologist Judy DeLoache, PhD, University of Virginia, tested if toddlers could imitate specific target actions on novel real-world objects on the basis of a picture-book instruction.

A total of 112 children from three different age groups (18 months, 24 months and 30 months) participated in two studies to determine if age influenced a toddler's ability to learn how to construct a simple smile from a picture-book reading. In the first study, one group of children ages 18, 24 and 30 months were given one of two picture books. One contained six color photographs and the other contained colored pencil drawings that were reproductions of the photograph. At the end of the reading, the children were asked to construct a smile using the items in front of them. The study revealed that many of the children were able to imitate the actions depicted and described in the book.

"This research shows that very young children can learn to perform novel actions with novel objects from a brief picture-book reading interaction. The common form of interaction that takes place very early in children's lives, may provide an important source of information to them about the world around them," said lead author, Gabrielle Saxe. The intensity (consistency between the actual object and the likeness presented in the book) of the pictures in the book had the most influence on the youngest children's success. The 18-month toddlers were less able to follow the directions given in the book containing colored-pencil drawings than when they were shown directions from the book containing like-like color photographs. Due to the age-related differences in the consistency with the two versions of the picture-book, Saxe and DeLoache selected a new group of 24 and 30-month-old toddlers to study their reactions to black and white line drawings of the same picture-book.

The second study showed that the second group of toddlers performed relatively poorly when given the black and white images compared to the first group of toddlers who were given color photographs, proving that children are more influenced by iconic images. "The results expand our understanding of the development of perceptual competence in the second year of life and point to an interaction between symbolic and

