



Summer Adventure!

Powered by a Ready To Learn Grant

Professional Development Extension

More About Math

Curious George: Busy Day Adventure

Background for Leaders

In this unit, children will accompany Curious George on his adventures around town as he waters flowers, visits a dog show, picnics at the park and even blasts off into space. Through these adventures children will practice age-appropriate such as counting by ones up to 20, sorting and comparing groups of items, counting backwards, fair sharing groups of items and counting by fives and tens.



Counting

Young children learn to count before they can recognize the relationship between numeral and quantity. They should practice counting objects and matching each group or set to the correct numeral. This will reinforce the one-to-one relationship between quantity and numeral. Once children learn to count from zero to ten, they can learn to count backwards. Initially children may need visual aids such as number cards to count forward to five and then start at five and count backwards; a similar process can be used when counting backwards from ten. Children at this age learn to count to twenty by ones and will only be able to count to one-hundred by tens. With the proper support of visual aids like a hundreds chart, young children can learn to count to fifty by fives and to one-hundred by tens. This builds the foundation for their understanding of the magnitude of one-hundred and the multiples of five and ten.

Fair Sharing

Children begin to develop a sense of “fair sharing” at a young age; this can create the base for early division and fraction understanding. Encourage children to fair share as they play the games and participate in the activities. Ask questions like “How can we make sure that everyone gets the same amount?” Children at this age will likely distribute items one at a time until everyone has the same amount. Older or more advanced children may do this in groups of two or three. This is the basis for division and children’s learning should take place through discussion, pictures, and situations. Use early division skills vocabulary terms such as **divide**, **evenly distribute**, **fair share** and **equal groups**.

Sorting/Data Analysis

In these activities children will sort items based on their attributes such as size, color, smell, and texture. As children become proficient sorting objects by one characteristic, they can move on to sorting objects by two characteristics. For example, children may sort all of the round buttons with two holes into one bin and all of the round buttons with four holes into another bin. Young children are capable of sorting into three groups at a time; however each group should consist of no more than ten items. Children should be challenged to approach problems in new ways by determining the sorting criteria on their own.

Children can place the data on a graph once the items are sorted. Placing data on a graph enables children to easily compare the data to determine **which group has more**, **which group has less**, **how many more are in one group than another** and sometimes **which groups have the same amount**. At this age children may use a pictograph (images represent each item or object) or a bar graph (evenly spaced bars that are shaded to show the quantity) to represent categorical data.



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