The Worksheet Dilemma: Benefits of Play-Based Curricula

Sue Grossman, Ph.D.

It was three o'clock and preschool was over for the day. Four-year-old Jar papers, called out to her mom. Jamaica's mother smiled and asked, "What's all work?" Jamaica nodded and handed the papers to her mother. Jamaica had spent t of the afternoon in her seat, pencil in hand, filling out worksheets. On ore she had drawn In the letter "A" to the picture of an apple; from the letter "P" to the and from the letter orange. On another sheet she made her pencil go from the d top line to the dot on bottom line, thus making the lower-case letter "l." Jamaic ... a bit shaky. had written, "You can do better" on the page. Jamaica's mother rned when saw the maica's k was fine. comment and worried that her daughter was not per Her teacher's expectations were the problem.

In many preschools, child care centers, and worksheet paper and pencil tasks. Teach children's learning progress to parents. Under the class, worksheet activities are not develops to the control of the control of the class and the other children in her class, worksheet activities are not develops to the control of the c

The Worksheet Dilemma

Worksheets typically have the state of the state of the circle the rhyming words or match the pictures of things that the state of the circle the rhyming words or match the pictures of things that the state of the circle the rhyming words or match the pictures of things that the circle the rhyming words or match the pictures of things that the circle the rhyming words or match the pictures of things that the circle the rhyming words or match the pictures of things that the circle the rhyming words or match the pictures of things that the circle the rhyming words or match the pictures of things that the circle the rhyming words or match the pictures of things that the circle the rhyming words or match the pictures of things that the circle the rhyming words or match the pictures of things that the circle the rhyming words or match the pictures of things that the circle the rhyming words or match the pictures of the circle the rhyming words or match the circle t

Problem solving the problem of ris. We want children to learn to solve problems we must create safe electron which the cell confident taking risks, making mistakes, learning from them, and tryin again. Anderson, 1992). In a play-based curriculum, each day provide apportunitie. It is a second ding, writing, and math through real, meaningful dations. For instance, andren so the table for snack so each child has one napkin, one straw, and one box of milk. Chief en string beads to match the pattern on a card or wait their turn because four them at the art table. Through these meaningful experiences children mbe, quantity, size, and other mathematical concepts.

Early childhood ed action experts agree that the years from birth to age eight are a critical learning time for children (e. 1992; Kostelnik, Soderman, & Whiren, 1993; Willis, 1995). During these years, children action (Katz, emotional, physical, and social tasks to accomplish (Katz, 1989). Which children may have the ability to perform a task, that does not mean that the task is appropriate and should be performed. Educators agree that learning to read, write, and compute are undeniably important skills for children to acquire. The question is how and when they should be learned.

Cognitive Development

Most preschool and kindergarten children are in what Piaget described as the preoperational stage of cognitive development. Letters and numerals typically mean little to the three- to vr-olds in ects and ideas this stage. These children use concrete rather than abstract symbols to represent a (Bodrova & Leong, 1996). Through pretending, children develop the ability m ally to r resent the world (Bredekamp, 1987; Stone, 1995). Reading requires a child to look ols or representations (i.e., letters and words) and extract meaning from them. Apia, offers children opportunities throughout the day to develop the ability to think ab experiencing real objects using their senses (Bredekamp, 1987; Kostelnik, Soderma ren, 1993). Blocks can represent an airplane or a train. High heels can ransform a preschool ngible objects. Suffici mother or princess. Blocks and high heels are three dimension to the use and compre practice using concrete objects as symbols is a necessary. of print (Stone, 1995).

rals an Mathematical understanding is more than recogni all impo categorizing, putting items in a series, and prooncepts (Raines n solv of "four" if she & Canady, 1990). The teacher may believe aica u tands the co ansfer that learning to other circles four flowers on the worksheet. Bu situations, such as the number of places people, Jamaica does not truly understand what "four" means. Similarly, Le to print the letters "R," "U," and "N" on a worksheet, but be unable to read the w see it in a book. The mere accomplishment of the works ability to read or comprehend. k does n

Emotional Development

d to In any group of young children as pen task, some will succeed and some will be may tr less successful. The successful child. mprehend the task or may simply have guessed correc ess successful c often learn to think of themselves as failures, and ultimately may bool and on t eves (Katz & Chard, 1989). These children may react to the stress f giving wrong answers by acting out their frustrations and ble. rawing and becoming reclusive (Charlesworth, 1996). becoming behavior ors such as stomach aches in the morning or refusal to get ay report so ol. The children have learned, at an early age, that school can be an the car to go to pre notionally painful place

con 1, g, peaceful place for children - an environment to which children challenging, stimulating, and fun activities are in store. Children know they may not succeed at crything they try, but also know they will be valued for who they are. Children's efforts ould be rewarded, so that they will persevere and they will see themselves as learners. Stein, Whiren, & Soderman, 1993).

Physical Development

Children are born with a need to move (Kostelnik, Soderman, & Whiren, 1993). They wiggle, toddle, run, and climb as naturally as they breathe. When we insist that children sit still and do what

for them may be a meaningless task, such as completing a workbook page, we force children into a situation incompatible with their developmental needs and abilities. When children care of or will not do such a task, we may label them "immature" or "hyperactive." We may complete the ut their short attention span, or as in Jamaica's case, criticize her efforts. On the other har off we allow children to choose their own task from among appropriate offerings, we may so children as young as three and four years old spend 30 to 45 minutes completely engrossed in with blocks, painting at the easel, or listening to stories. When we plan development the case activities for children, they will attend to them, work hard, and learn (Bredekamp trant, 1992).

Before a child can hold a pencil and make an accurate mark er, he must have a gre small motor control. He needs practice with various mater ects that require grasp ke his own holding, pinching, and squeezing. He must have ample opportuobjects such as paint brushes, chalk, fat crayons, and fa later, whe achieved the necessary finger and hand control, sl sked to ords c numerals with a pencil. The timing of this accomplishment w ildren. ear-olds and ary a most five-year-olds are ready to write a few otabl r own name t, we must and some silvear-olds may be just remember that each child develops on his ched ed, they will continue to learn and grow starting this task. If they are encouraged, and feel confident.

Social Development

Teachers who require your pass. It is a worksheets may be heard exhorting them, "Do your own to the adult world in which we cannot at the adult world in which we cannot at the agust or help with a task, or for their ideas about a problem. In fact, leaders in the agust of help with a task, or for their ideas about a problem. Yet we ask chargen to do what are often impossible tasks, and insist that they suffer through.

The foundations follower so the part of the state of the

Develor Appropriate Activities

There are my active, and far more interesting, ways for children to begin understanding words and numbers than via worksheets (Mason, 1986). A classroom with a developmentally appropriate curriculum is a print-rich environment. The walls are covered with signs naming objects, stories children have dictated, lists of words they have generated, pictures they have painted and labeled,

and charts of classroom jobs (such as feeding the pet and passing out napkins for snack). At the small motor activities table there may be sandpaper letters to feel and puzzles to complete. Creative activities may include squirting shaving cream onto the table and having children may gigns and write their names. And always there are many books to explore, examine, wonder bout, listen to, and love as they are read aloud. In these ways, children learn that reading and sing are seful skills, not simply tedious activities adults invent to make school boring. It to be of explored with words and print for children to understand why it is good to be able to read

What Can Blocks Teach? by Nancy Thomas

Block building offers opportunities to grapple with concepts such as comparing, sorting categorizing (Hirsch, 1984). When children are storing block abound be clear where each belongs. Putting blocks away is like putting together a puzze to be learning experience it is own right. This task becomes increasingly complicated when you have the number that es.

Blocks are best stored in low, open shelving with the state of the silhouette. Cut block silhouettes out of contact oper and them to the small-large of the small-large (1990) suggest that you store blocks in a "to be left-large of the small-large of the small of the sm

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Demonstrating Progress

If we cannot demonstrate children's agress perksheets, how do we provide evidence of learning? Here agreed ways: Porther's - A portable is a collection of a child's work. Portfolios can include the

- Work Sample Kee, the feat child's drawings and writing, including invented colling. Photo caphs of clay, wood, and other materials can also be included. The should be a say to that is included in their own portfolio. Date each piece so that progress through the school year can be noted.
- Observe Keep beervational records of what children do in the class. There are many ls of cording children's behavior. Audio and video tape can capture them in all anecdotal notes also help.
 - Checklists: It abrd children's skill development on checklists. Progress in beginning letter recognition, time writing, and self-help skills, for example, can be listed and checked off as a children aster them.
 - Appropriate worksheets: For example, children experimenting with objects to discover if they sink or float can record their observations on paper divided into a float column and a sink column. This shows that they are doing actual scientific experimentation and recording the data.

For more information on portfolios, see "Why Portfolio-Based Assessment Works" on page 20 of the January/ February 1996 issue of Early Childhood News.

Parent Newsletters - Teachers can send home periodic parent newsletters which plain the activities children are doing at school and the teacher's goals and objectives. We a parent understand the value of developmentally appropriate activities they will feel to that the children are learning and growing, not "just playing."

Center Labels - Signs in the classroom describing what children learn in the various of centers help adults understand the value of children's work in the area. In the block context example, children learn about weight, length, balance, volume and shape, as well as processolving, social role playing, and cooperation. At the art certain an learn to express their on paper and with other media, to solve problems, and to common with others. The sixty of skeptics see what is really happening as children work at play.

Photographs - Photographs of daily activities is the Care can be a can be

Conclusion

There are two fundamental problems with oung children do not learn from them Whiren, 1993). Second, what teachers and parents beli bey do (K illis, 1995). The use of abstract children's time should be sp numerals and letters, rather th many young children at risk of school s, pui orksk as and workbooks should be used in failure. This has implications for ntally ready to profit from them (Bredekamp, schools only when children are olde ad dev is to convice parents and others that in a play-based, S. & Rosegrant (22). Our challen, developmentall curriculum to dree are learning important knowledge, skills, and attitudes that will scessful i nool and later life.

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