

Play as Curriculum

By Francis Wardle, Ph.D.

Play! There are two radically different views on the value of play. Early childhood educators, child development specialists, and some parents believe play is the best way for young children to learn the concepts, skills, and tasks needed to set a solid foundation for later school and life success. School administrators, many parents, and most politicians believe play is a waste of time, off task behavior, needless coddling of young children, messy and noisy, unstructured and not educational— an unaffordable luxury in an ever-more competitive world. With the new emphasis on national and state standards and school accountability, many early childhood programs are eliminating play. Is play worth fighting for? If so, why?

Definition of Play_While most of us know play when we see it, academics have had trouble defining it (Johnson, Christie, & Yawkey, 1999). "Play involves a free choice activity that is non-literal, self-motivated, enjoyable and process oriented. Critical to this definition is the non-literal, non-realistic aspect. This means external aspects of time, use of materials, the environment, rules of the play activity, and roles of the participants are all made up by the children playing. They are based on the child's sense of reality" (Wardle, 1987, p. 27). "Children do not play for a reward-praise, money, or food. They play because they like it."(p. 28). Children who compete to make the best wooden ship are not playing. Children who are told they must use the block with an "A" on it to create a word are not playing, and children who are asked to label the colors of their paints, instead of using them to create a picture, are not playing.

This child-centered aspect of play creates the central dilemma. Increasingly, we expect education programs to meet prescribed adult objectives. Schools, funding sources, and curricular developers expect programs to teach specific outcomes and provide child-based results (Kagan & Cohen, 1997). And more and more parents expect their young children to be learning specific academic skills. If adults develop these standards and outcomes, there is no room left for child-centered learning-play. Ironically, at the same time we are eliminating play from the formal education of young children. Therefore, many of our children do not have access to the natural play experiences we experienced as children. They don't walk in the park collecting leaves, throw stones in the water to see the ever-expanding ripples, play racing-of-the-sticks under the bridge, build muddy castles on the banks of a cold stream, or create a frontier fort with their buddies. They don't scramble up gnarled trees, skip across meadows full of flowers, pick nuts from low branches, use a fallen tree as a natural balance beam, or sit on an old tractor imagining that they are leading a convoy of explorers across the Sahara Desert.

Why is Play Critical to Future Academic Success?_As we push more academics and computer instruction on young children; as we observe many of our children's homes become dominated by passive TV watching and computer games; and as we see many of our publicly funded early childhood programs become downward

extensions of public schools, we need to advocate for children's right to play. More and more parents question the value of young children climbing trees, playing in the sandbox, and splashing paint all over themselves. Below are some of the various kinds of play, and why they are important.

Types of Play

Motor/Physical Play_Motor play provides critical opportunities for children to develop both individual gross and fine muscle strength and an overall integration of muscles, nerves, and brain functions. Recent research has confirmed the critical link between stimulating activity and brain development (Shore, 1997). Young children must have ample opportunities to develop physically, and motor play instills this disposition toward physical activity. With so many American adults experiencing health problems from being overweight, we have a responsibility to encourage physical activity in young children.

Social Play_ A variety of opportunities for children to engage in social play are the best mechanisms for progressing through the different social stages. By interacting with others in play settings, children learn social rules such as, give and take, reciprocity, cooperation, and sharing. Through a range of interactions with children at different social stages, children also learn to use moral reasoning to develop a mature sense of values. To be prepared to function effectively in the adult world, children need to participate in lots of social play.

Constructive Play_Constructive play is when children manipulate their environment to create things. This type of play occurs when children build towers and cities with blocks, play in the sand, construct contraptions on the woodworking bench, and draw murals with chalk on the sidewalk. Constructive play allows children to experiment with objects; find out combinations that work and don't work; and learn basic knowledge about stacking, building, drawing, damming, and constructing. It also gives children a sense of accomplishment and empowers them with control of their environment. Children who are comfortable manipulating objects and materials also become good at manipulating words, ideas, and concepts.

Fantasy Play_Children learn to abstract, to try out new roles and possible situations, and to experiment with language and emotions with fantasy play. In addition, children develop flexible thinking; learn to create beyond the here and now; stretch their imaginations; use new words and word combinations in a risk-free environment; and use numbers and words to express ideas, concepts, dreams, and histories. In an ever-more technological society, lots of practice with all forms of abstraction-time, place, amount, symbols, words, and ideas-is essential.

Games With Rules_ - Developmentally, most children progress from an egocentric view of the world to an understanding of the importance of social contracts and rules. Part of this development occurs as they learn that games

like Follow the Leader, Red Rover, Simon Says, baseball, and soccer cannot function without everyone adhering to the same set of rules. This "games with rules" concept teaches children a critically important concept—the game of life has rules (laws) that we all must follow to function productively (Wardle, 1987).

But Why Play? Play opponents argue that the ever-increasing amount of information and skills needed by young children require direct teacher instruction to specific goals and objectives. They believe we cannot afford to take valuable time away from important academic activities to allow children to hide in a fantasy world of play. But play is, in fact, the most efficient, powerful, and productive way to learn the information young children need.

First, children progress through stages of play, and through levels (complexity) of play. As children master new concepts and practice them through repetitive play, they progress to the next level. In essence, children create their own curriculum. Because children like to learn new information and want to master new tasks (ever watched a child persist in learning to ride a bike?) and because they hate to be bored, children self-diagnose what they know and what they can learn next.

Play provides the ultimate curriculum for social, physical, and cognitive advancement. Secondly, by using materials, interactions with others, and mastery of tasks and skills to progress through levels of play, children develop a sense of control of their environment and a feeling of competence and enjoyment that they can learn. Finally, play provides a natural integration between all the critical brain functions and learning domains that are often missing with discrete teacher instruction. Recent brain research shows that this integration is very important to development (Shore, 1997). Play is also a very effective way for children to accumulate a vast amount of basic knowledge about the world around them, knowledge needed for later learning in language, math, science, social studies, art, and medicine. When playing with sticks in the sand a child learns about the properties of sand, how posts are used for building, the way materials must be retained from rivers, roads, and mountainsides, the effect of moisture on materials, the impact of wind and the nature of gravity, and ways of creating patterns, shapes, and lines by drawing in the sand. A child playing with tadpoles in a pond learns about the cycle of life, the properties of water including sinking and floating, the effect of cold water on the body's thermal system, and concepts related to water safety and drowning. Children engaged in socio-dramatic play experiment with words, phrases, and idioms they have heard and learn new and more complex ways to express themselves.

Role of the Teacher- Somehow the phrase, "free play" has entered our vocabulary. "Free play" means play free of structure and adult involvement. This is unfortunate, because adults have a variety of critical roles in supporting children's play. These roles include providing materials that encourage high-quality play, structuring environments, modeling play (like when the teacher becomes a participant in a socio-dramatic activity), and introducing children to

new play opportunities (girls on the workbench and boys in the dramatic play area). Vygotsky's idea of scaffolding (Berk & Winsler, 1995) is particularly useful in explaining the role of the teacher in extending play. Further, his concept of the use of private speech by children to structure, extend, and expand their own play, illustrates children's internalization of teacher scaffolding. The teacher does, in fact, have a central role in children's play.

Conclusion_ - To succeed in an ever-more complex and technological world, our children need a solid foundation based on play. We must be very careful about accelerating them too quickly into abstract skills and isolated concepts (Wardle, 1996). Lots of play at an early age enables children to develop the wide, integrated foundation required for future academic success. It also will develop in our children a love of learning, a love that is desperately needed by children who can look forward to a minimum of 13 years of formal education.

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