Connecting the Dots: Using Best Practices to Support Three- to Five-Year-Olds and Their Families

Vermont Higher Education Collaborative November 30, 2016 Montpelier, Vermont

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Agreements for Our Work

- Start on time, end on time or before.
- Be respectful of all people and perspectives.
- Be fully present.
- Listen or share; no side conversations.
- Everyone has the opportunity to speak once before anyone speaks twice.
- Put cell phones on stun.
- Observe confidentiality among colleagues.
- Work together as a learning community.
- All work focuses on increasing knowledge and improving skills.
 - Be fully responsible as an individual and team member. Do your best. Others

A Sense of Urgency



Shift Happen In Our Hands

What Role Does ECE Play in Vermont Today?



N.IEER Quality

Quality Counts

Infant

Toddler

Positive Climate

Negative Climate

Teacher Sensitivity

Regard for Child Perspectives

Behavior Guidance

Facilitation of Learning and Development

Quality of Feedback

Language Modeling

Pre-K



Positive Climate Negative Climate Teacher Sensitivity Regard for Student Perspectives



Behavior Management

Productivity

Instructional Learning Formats



Concept Development Quality of Feedback Language Modeling

Relational Climate

Teacher Sensitivity

Facilitated Exploration

Early Language Support



Engaged Support

for Learning

Average Ratings of Interactions in Pre-K - 3rd Classrooms



Percentage of Children Ready for Kindergarten in Vermont

School Year	Social - Emotional	Approaches to Learning	Communi- cation	Cognitive	Wellness	All Domain
2011-2012	79.4	78.7	85.7	73.9	83.3	56
2012-2013	81	80	85	77	85	62
2013-2014	75.3	69.4	83.3	65.5	83.4	49.1
2014-2015	76.3	76	82.6	65.1	85.5	52.3
2015-2016		ľ	Not Reported			81.79

VT Kindergarten Readiness Survey Results (2015-2016)

STATE	Total Students	Percent of Students Surveyed	Average Total Score	Number Ready	Percent Ready
Total Enrollment	5865				
All Students Surveyed	5290	90.20%	77.98	4327	81.79%
Boys	2763	52.23%	75.34	2139	77.42%
Girls	2527	47.77%	80.88	2188	86.58%
Free and Reduced Lunch Eligible	2249	42.51%	72.89	1647	73.23%
Not Free and Reduced Lunch Eligible	3041	57 <mark>.4</mark> 9%	81.75	2680	88.13%
Attended Publically Funded PreK	2879	54.42%	79.71	2458	85.38%
Did Not Attend Publically Funded PreK	2411	45.58%	75.93	1869	77.52%

What are the Characteristics of a Well-Functioning Child?



Characteristics of a Well-Functioning Child

J. Patterson. (1977). Criterion Model; for Preschool Development.

Learn to trust themselves and others; Learn self-discipline; Gain an awareness of others and the ability to feel for and with them; Be spontaneous when expressing feelings; Become self-reliant and self-starting; Become increasingly responsible for their own behavior; Develop a sense of humor; Form creative ideas; Extend basic moving, manipulating; and communicating skills; Listen with heightened and prolonged attentiveness; Acquire factual information and develop the capacity to conceptualize and represent ideas; Have a variety of interests and resources; Find pleasure in the process as well as the product; and Show the desire to try, the courage to fail, and the persistence to continue their effort.

Understanding and Educating The Whole Child

HeartStart: Social and Emotional Foundations of School Readiness

Confidence — A sense of control and mastery of one's body, behavior, and world; the child's sense that he or she is more likely than not to succeed at what he or she undertakes and that adults will be helpful.

Curiosity — The sense that finding out about things is positive and leads to pleasure.

Intentionality — The wish and capacity to have an effect and to act on that desire with persistence, a characteristic that is clearly related to a sense of competence and of being effective.

Self-Control — The ability to modulate and control one's own actions in age-appropriate ways; a sense of inner control.

Relatedness — The ability to engage with others based on the sense of being understood by others and understanding others.

Capacity to Communicate — The wish and ability to exchange ideas, feelings, and concepts with others, a characteristic that is related to a sense of trust in others and a sense of pleasure in engaging with others, including adults.

Cooperativeness — The ability in a group activity to balance one's own needs with those of others.

Every Child Needs

- Good health and nutrition
- Unhurried time
- Responsive caregiving
- Safe and supportive environments
- Special support for families with special needs

How Do Children Learn?

- Developmental/Maturational
- Environmental/Behavioral
- Constructivist

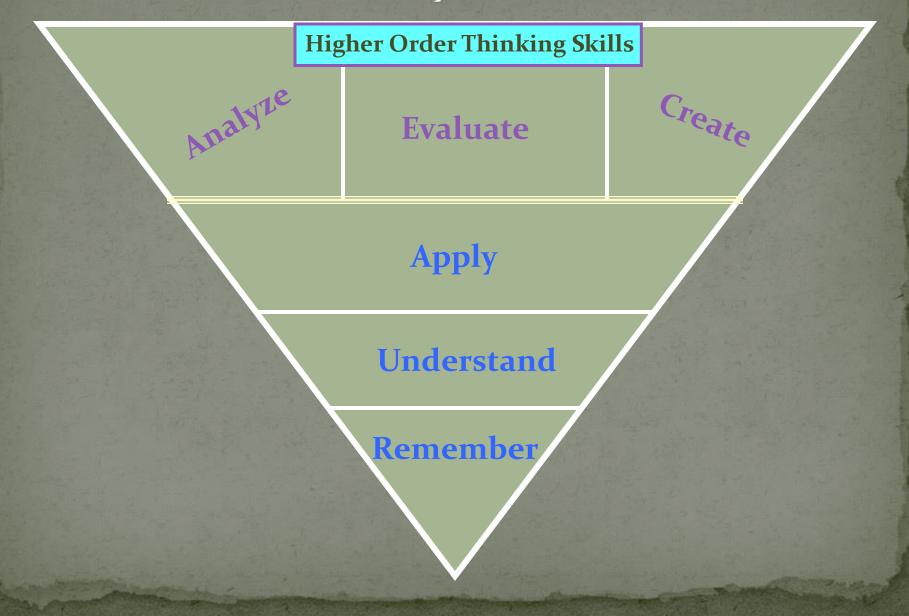
Universal and Unique Characteristics Sequential Development Bursts – Pauses – Regressions Disruption >> Reorganization Context Matters

How do adults learn?

Unconscious Incompetence Conscious Incompetence Conscious Competence Unconscious Competence

> When I hear, I forget. When I see, I remember. When I do, I learn. Confucious

Bloom's Taxonomy Revisited



Be A Problem to Your Children

• Be a problem-finder Provoke dissonance Environment **Relationships** Communications • Be the "guide on the side," not a "sage on the stage" Foster concept development, not recitation skills Support "preflection" as well as "reflection" Demand evidence of mastery without "quizzing" Recognize creativity as being equally important as literacy for survival in an unknown future

Divergent Question Models- "Let's Pretend"

- Quantity (Brainstorm)
 - How many different ways can you use this cup?
- Viewpoint
 - What would our classroom look like to a bird flying overhead?
- Involvement
 - How would you feel if you were a tear?
- Conscious Self-Deceit
 - You have been given the power to be invisible. How would you use it?
- Forced Association
 - How is a fish like a snake?
- Reorganization
 - Suppose it was night all of the time. What would be the consequences?

Children's Play

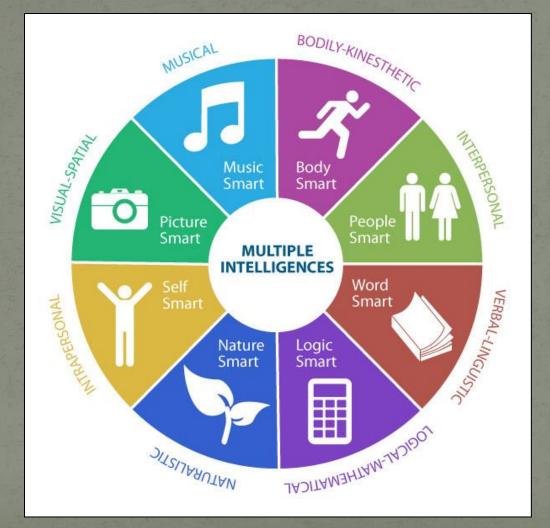
Research on play is anything but fun. Play is unstructured, spontaneous, entered into for its own sake, inherently fun, & without goals.

Games have inflexible rules, goals & objectives; often seeking to crown a winner; grow out of aggressiveness.

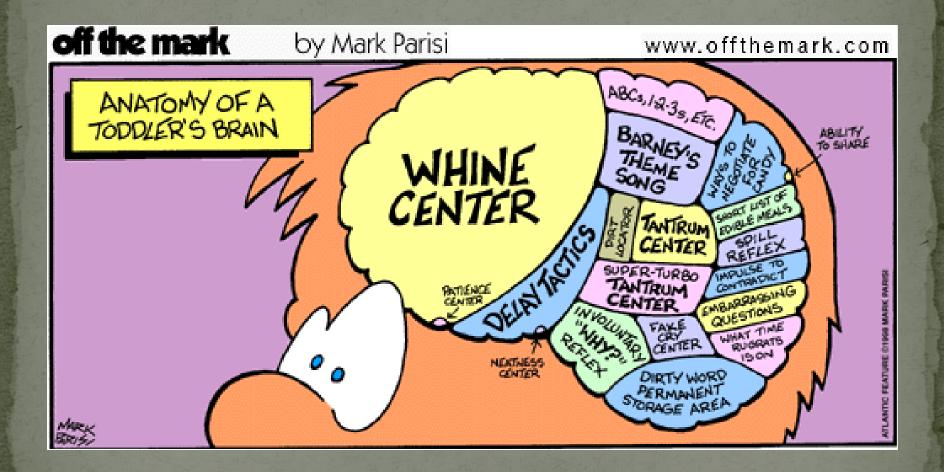
Play is not the same as child-initiated activity or chaos.

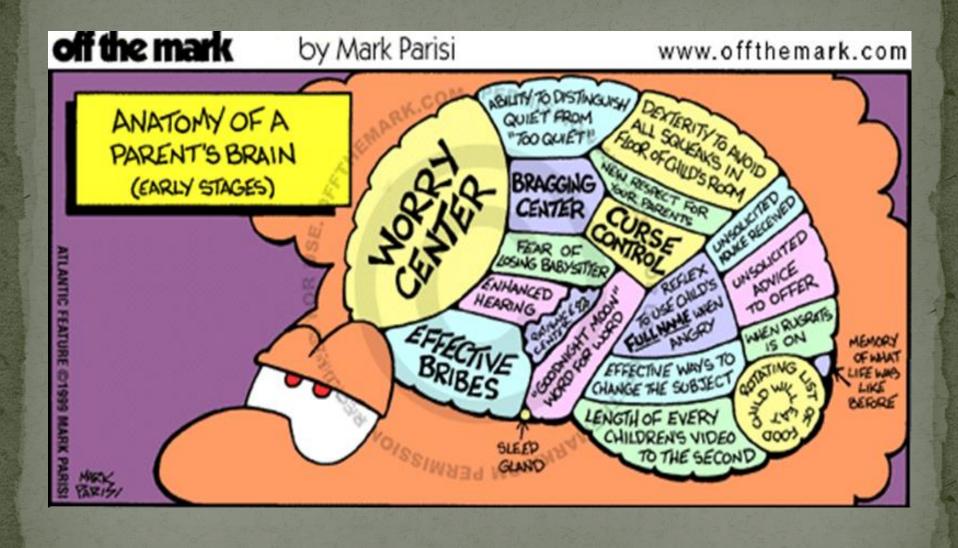
Why is play **suppressed**?

How are you smart?



Lessons from Neuroscience

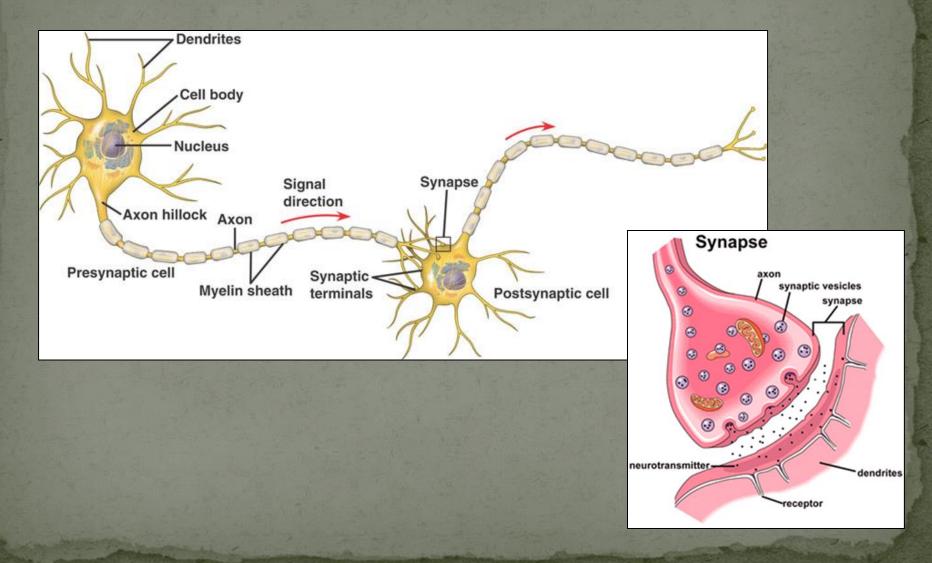




Synaptogenesis



Neurons and You

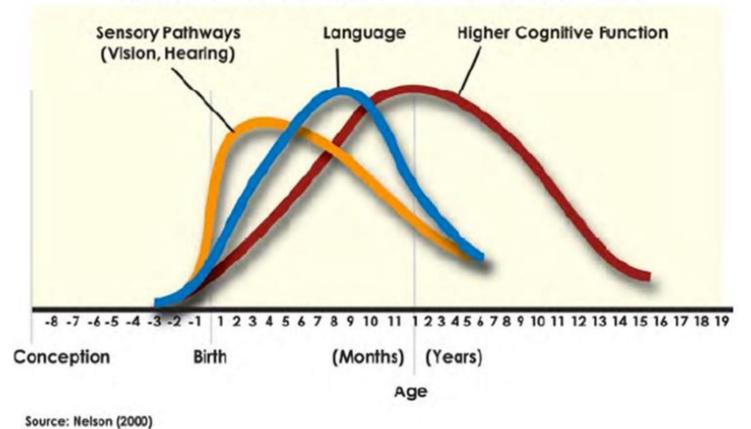




Windows of Opportunity

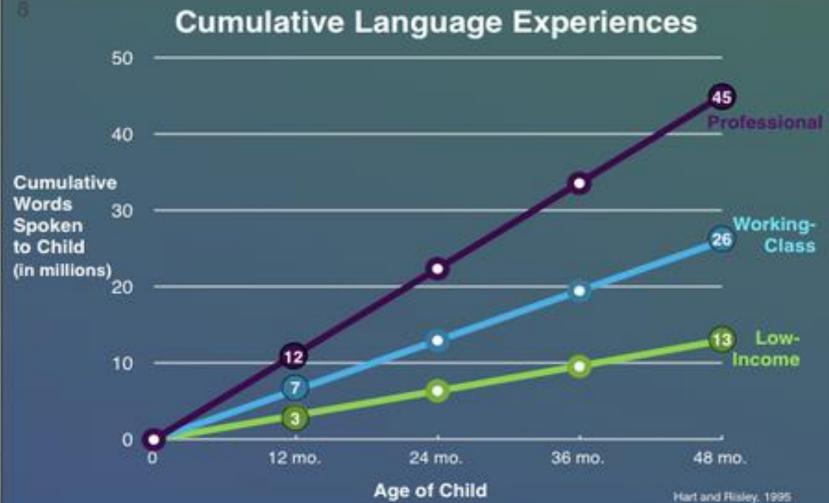
Human Brain Development

Synapse Formation Dependent on Early Experiences





30 Million Word Gap



Stress



3 Year Old Children

Normal

Extreme Neglect

www.ChildTrauma.org

B.D. Perry, M.D., Ph.D.

THE GOD THAT TREIB TO FLG

Once upow a tiwe, three saw a fnuug little god maned Rep that manted to flg. Ae climped ub in a horse mith a lewot on his nahbs aub juwqeb off. Hfter amnile, a pg, promu puck maned Aero cawe dy aub was tne little god thaw ne saw doing. "f'w tryiug to flg", zaib tne little god. Tne dig pnck zaib, "Gods cau't flg." Tne little god left sab tub ne soou leatueb ne conlb nawe gnst is chum fnu cnaziug tacs.

Questions:

- 1. What type of animal is the main character of the story?
- 2. What is his name?
- 3. Does he have a lot of fur or only very little?
- 4. What did he jump off of while trying to fly?
- 5. What did he hold in his hands?
- 6. What type of animal is the second character in the story?
- 7. Is he big or little?
- 8. What color is he?
- 9. Is he a younger or older animal?
- 10. What is his name?
- 11. What did the little dog find to do that was equally as much fun? Chasing

Squires/ Child Development

THE DOG THAT WANTED TO FLY

Once upon a time there was a funny little dog named Red that wanted to fly. He climbed up on a house with a towel in his hands and jumped off. After awhile, a big grown buck named Hero came by and saw the little dog jumping up and down from the house. The big buck asked the little dog what he was doing. "I'm trying to fly," said the little dog. The big buck said, "Dogs can't fly." The little dog felt sad but he soon learned that he could have just as much fun chasing cats.

#2

Same and Different

	0-5	К-12
Approach	Developmental	Academic
Enrollment	Choice/optional	Universal
	Targeted	Mandatory
	Universal	The stand of the second
Governance	Federal, State, District, private	State Board of Education
	Health/Human Services/Ed, other	• DOE
	entity	Local school board
Standards	• State: Birth – 3, Pre-K, Birth – K	• K-12 Curriculum Frameworks
	• Federal: Head Start Child Outcomes	Common Core/CCR/Next Gen
	Comprehensive domains	Content-specific
Curriculum	Self-selection	State or local required
	• 180 days or year-round	• 180 days
Assessment	Required and optional	Defined points;
	Variety of Measures	Prescribed measures
Teacher Qual.	 Varied by auspice (HS -> MA) 	• Defined by SEA or PSB (BA min)
Accountability	• Varies from none or basic	Student-outcome based
	health/safety compliance to	School-/district level
	student/program outcomes	performance
		• SLDS
Resources	• Parent fees, federal, state, local	• Local, state, federal

Assessment/Curriculum/Instruction Issues <u>FROM</u> <u>TO</u>

- Bell Curve
- Grades A-F
- Calendar Defined
- Curriculum Coverage
- Assigned Activities/Tasks
- Fixed Grouping
- Fixed teacher roles
- Grading in ink
- Offering and providing programs and experiences
 - Pedagogy

"J" Curve Grades A, B, and Incomplete Outcome-Defined Teaching for Mastery "Ultimate" Outcome Demonstrations **Flexible Grouping** Flexible, team-based roles Evaluating outcomes in pencil Facilitating and intervening for outcome success Mathetics

Developmentally Appropriate Practice or Developmentally Effective Practice?

- All the domains of development and learning—physical, social and emotional, and cognitive—are important, and they are closely interrelated. Children's development and learning in one domain influence and are influenced by what takes place in other domains.
 - Many aspects of children's learning and development follow well documented sequences, with later abilities, skills, and knowledge building on those already acquired.
- Development and learning proceed at varying rates from child to child, as well as at uneven rates across different areas of a child's individual functioning.
 - Development and learning result from a dynamic and continuous interaction of biological maturation and experience.
- Early experiences have profound effects, both cumulative and delayed, on a child's development and learning; and optimal periods exist for certain types of development and learning to occur.

- Development proceeds toward greater complexity, self-regulation, and symbolic or representational capacities.
- Children develop best when they have secure, consistent relationships with responsive adults and opportunities for positive relationships with peers.
- Development and learning occur in and are influenced by multiple social and cultural contexts.
- Always mentally active in seeking to understand the world around them, children learn in a variety of ways; a wide range of teaching strategies and interactions are effective in supporting all these kinds of learning.
- Play is an important vehicle for developing self-regulation as well as for promoting language, cognition, and social competence.
- Development and learning advance when children are challenged to achieve at a level just beyond their current mastery, and also when they have many opportunities to practice newly acquired skills.
- Children's experiences shape their motivation and approaches to learning, such as persistence, initiative, and flexibility; in turn, these dispositions and behaviors affect their learning and development.

Guidelines for developmentally appropriate practice

Create a caring community of learners
Teach to enhance development and learning
Plan curriculum to achieve important goals
Assess children's development and learning
Establish reciprocal relationships with families

Which came first? . . .

Curriculum

Assessment

Instruction

What is a curriculum?

What + How + When + Where + How Often +For Whom + By Whom



Early Learning Line Dance

There is strong agreement on what children should know and do when they enter kindergarten. Having early learning standards is a good thing for children. Having early learning standards lessens opportunities for play. Parents will love shared expectations for their children. Standards means we are moving toward the standardization of *what* and *how* we teach.

VELS: Understanding the Basics



Table of Contents

INTRODUCTION	. 4-5
GUIDING PRINCIPLES	6-7
PURPOSE	8-11
ORGANIZATION OF THE VELS	12-14
VELS AT A GLANCE	15-20
I SECTION I - DEVELOPING SELF	21
APPROACHES TO LEARNING	23
SOCIAL AND EMOTIONAL DEVELOPMENT	30

GROWING, MOVING AND BEING

SECTION II - COMMUNICATION & EXPRESSION 50
LANGUAGE DEVELOPMENT 51
LITERACY DEVELOPMENT 62
CREATIVE ARTS & EXPRESSION
SECTION III - LEARNING ABOUT THE WORLD 87
MATHEMATICS 88
SCIENCE103
SOCIAL STUDIES 113
APPENDICES 125
RESOURCES XX

GLOSSARY.....XX

Arenas Domains Elements Goals Indicators

SCIENCE

Element 1: Physical Sciences

Goal 1: Children construct concepts of the properties of matter, sound, motion and energy through inquiry, exploration and investigations.

By the end of each age group, most children will:

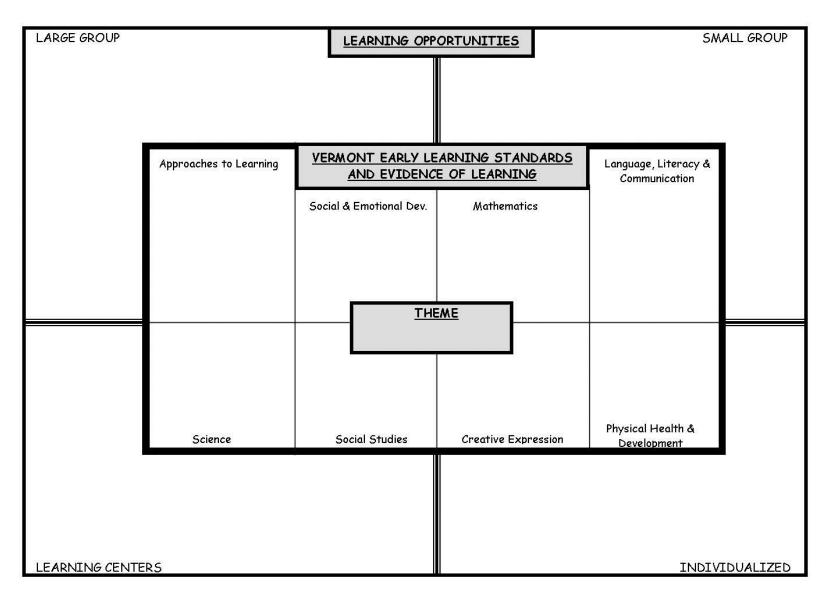
Infants (0-12 months)	Younger Toddlers (9-18 months)	Older Toddlers (18-36 months)	Younger Preschoolers (36-48 months)	Older Preschoolers (48-60 months)
 Attend to and demonstrate interest in objects in their environment, using all of their senses to explore Move and handle objects to learn more about them (e.q., drop food from high chair to see what happens) Explore ways to make different sounds with their bodies and objects (e.g., vocal sounds, clapping) Attend to objects that emit light Looks for an object that is hidden out of sight 	 Repeat actions and observe results Demonstrate ability to push and pull objects Act upon objects to make them move in different ways Explore properties of liquids and solids (e.g., dumping water or blocks from a container, roll play dough) 	 Use objects in more than one way (e.g., use a bucket as a stool) Label physical properties of objects (e.g., big, heavy) Use basic words to describe speed of motion (e.g., "My car go fast.") Ask questions about motion and sound (e.g., Why?) 	 Investigate and describe different types or speeds of motion Use objects to effect motion (e.g., build ramp with blocks so cars qo faster) Investigate and identify solids and liquids 	 Use evidence to discuss what makes something move the way it does and how some movements can be con trolled Describe objects by their physical properties and states of matter Investigate the differences between liquids and solids and explore how liquids can become solids, and solids become liquids Use objects to make different sounds (e.g., put beans in a can to make 1 type of sound and in a plastic tub to make another type of sound) Demonstrate the relationship between shadows, the objects that make them, and the light source

Standards-Based or Standards-Linked?

Standards-Based = Developing curriculum knowing what you want to the children to gain (intentional/purposeful/ planning).

Standards-Linked = After-the-fact association to see what children have gained (incidental/assessment).

Both approaches are **Standards-Referenced**!



Concepts:





Ashti



Skyler



Your Class



Mira



Bryson

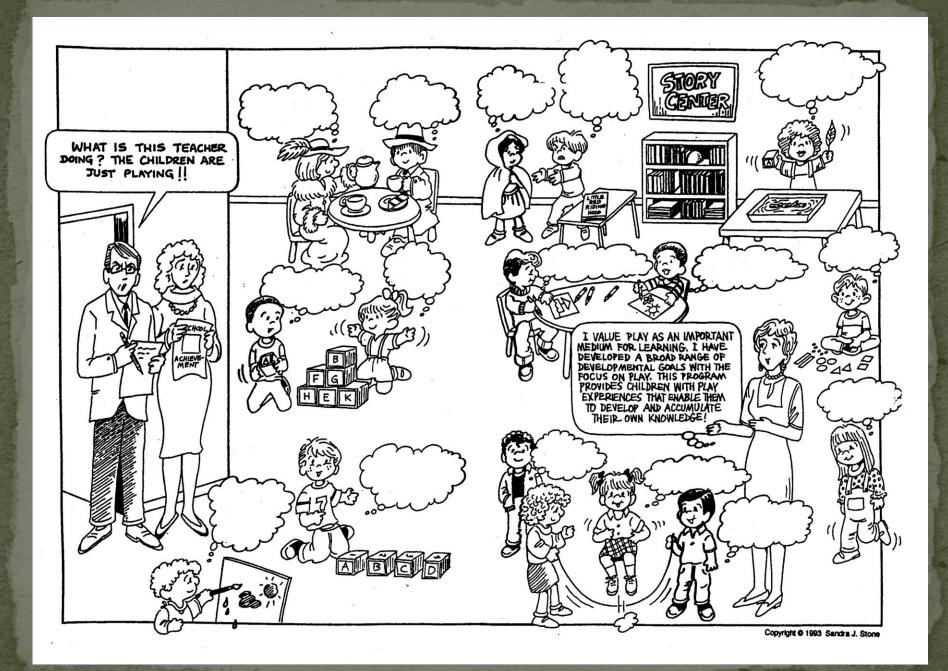


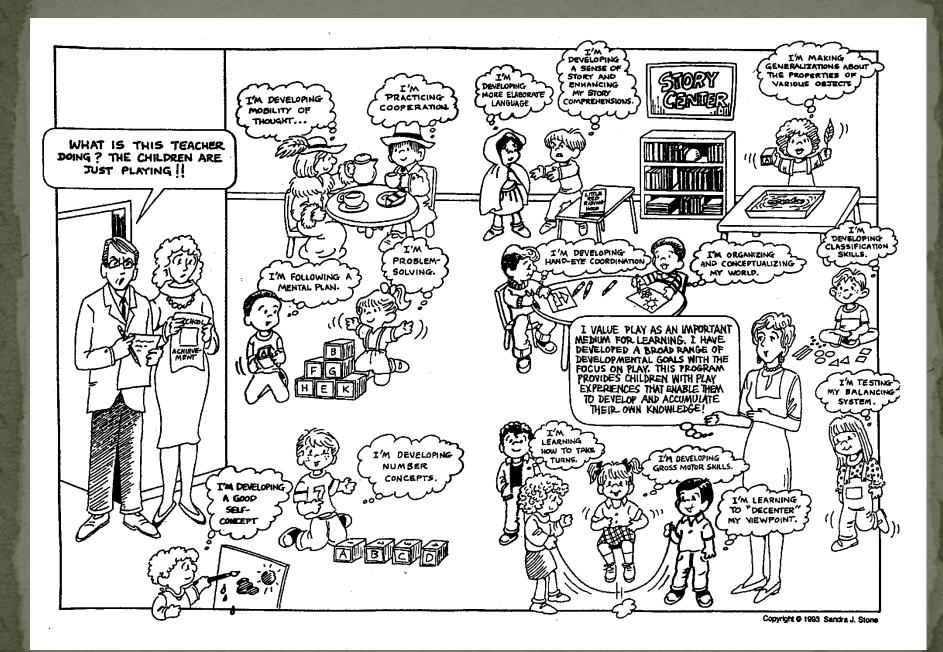
K.D.



Curriculum Building

Teachers as architects
Teachers as translators
Teachers as advocates
Teachers as leaders





Special Issues

The Environment as Teacher Learning Challenges/Teaching Opportunities Classroom as Melting Pot Collaborative Teaming with Families Transitioning to Kindergarten "In a completely rational society, the best of us would aspire to be teachers and the rest of us would have to settle for something less, because passing civilization along from one generation to the next ought to be the highest honor and the highest responsibility anyone could have." - Lee Iacocca

THE DOG THAT WANTED TO FLY

Once upon a time there was a furry little dog named Reb that wanted to fly. He climbed up on a house with a towel in his hands and jumped off. After awhile, a big brown duck named Nero came by and saw the little dog jumping up and down from the house. The big duck asked the little dog what he was doing. "I'm trying to fly," said the little dog. The big duck said, "Dogs can't fly." The little dog felt sad but he soon learned that he could have just as much fun chasing cats.

What one loves in childhood stays in the heart, forever.



Jim Squires, Ph.D.

Center on Enhancing Early Learning Outcomes www.ceelo.org

National Institute for Early Education Research <u>www.nieer.org</u>

