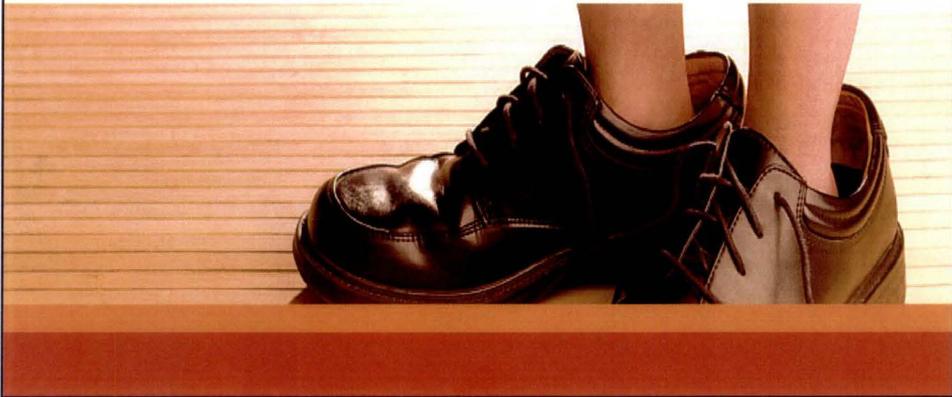


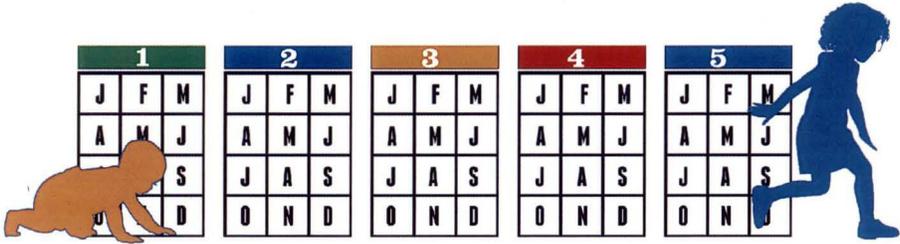
Today's Children.

Tomorrow's Workforce.

Economic Impact Committee • April 30, 2014



Children have about 1,825 days from the day they are born until they enter kindergarten.



We'll Shine Together



Agenda

- economic impact the first 5 years have on ND taxpayers
- science behind brain development
- Bright & Early = science + economics

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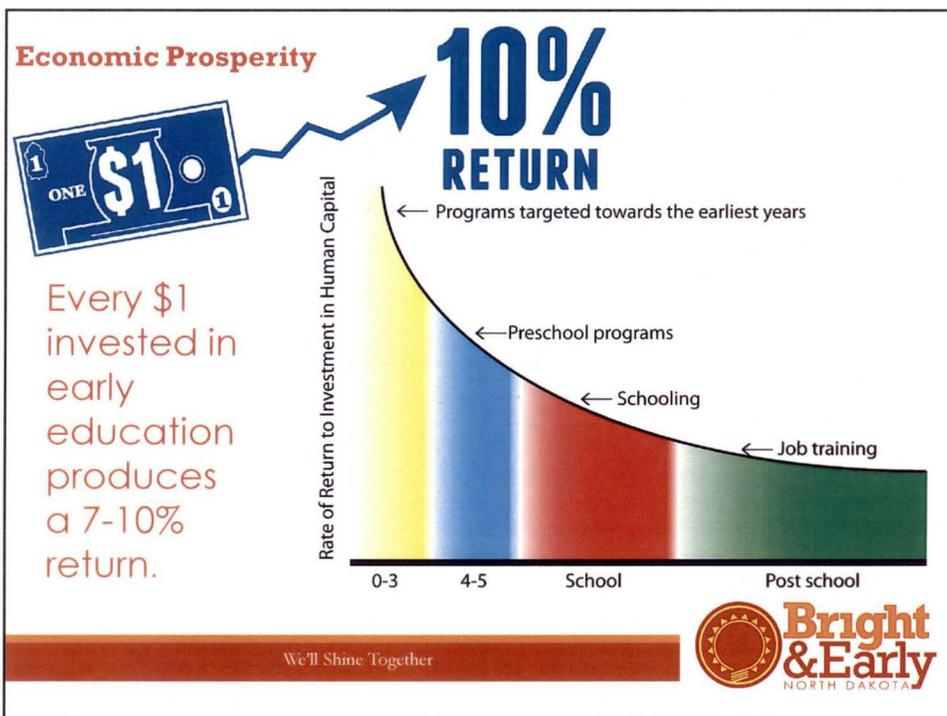


Economics



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I'M THE GUY YOU PAY LATER

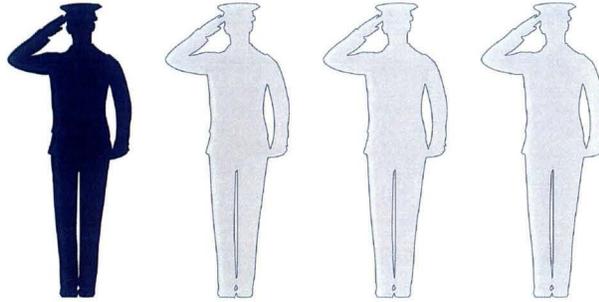
Sheriffs, Chiefs and Prosecutors Urge America to Cut Crime by Investing Now in High-Quality Early Education and Care

Children that didn't attend a quality child care setting were 5X more likely to become chronic criminal offenders.

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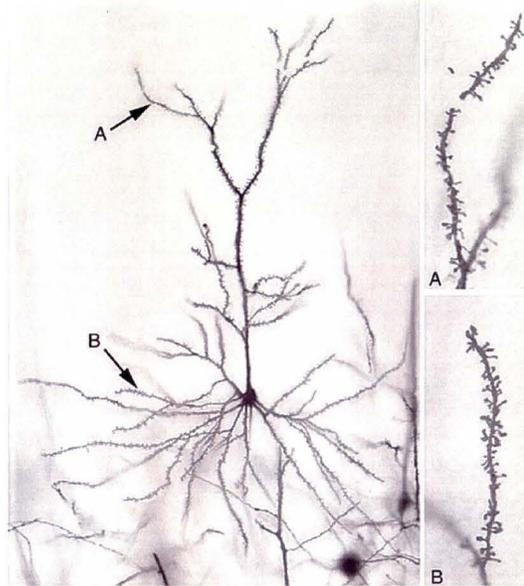
Bright & Early
NORTH DAKOTA

Support for Early Childhood



General Wesley Clark, General Hugh Shelton and senior military officials say our **national security** depends on early childhood investments.

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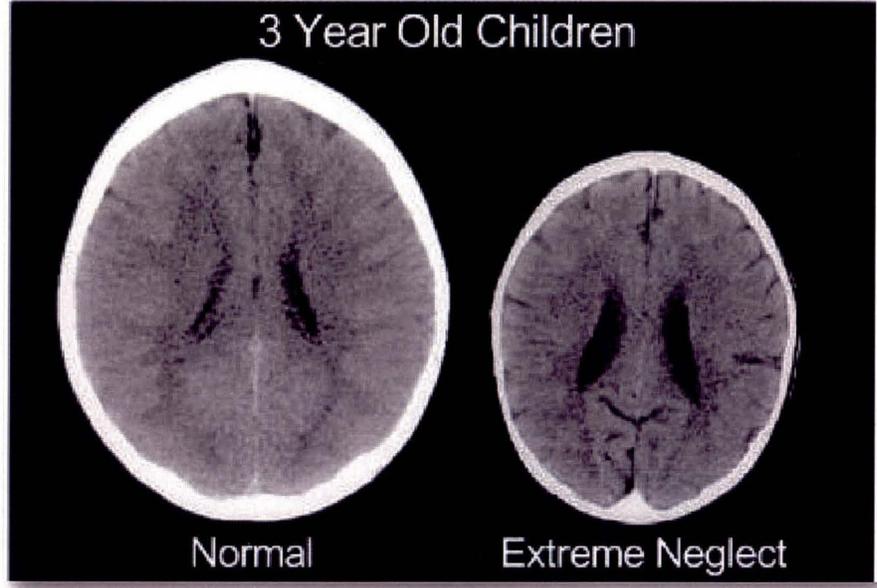


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The top section of the slide features two photographs of trees. On the left is a large, mature tree with a thick, gnarled trunk and a dense canopy of green leaves. On the right is a much smaller, sparser tree with a thin trunk and a few branches, one of which has a single red Christmas ornament hanging from it. Below the photographs is a dark orange horizontal bar containing the text "We'll Shine Together" in white. To the right of the bar is the logo for "Bright & Early North Dakota", which includes a circular emblem with a sun and stars.

3 Year Old Children



Normal Extreme Neglect

The bottom section of the slide displays two axial CT scans of a 3-year-old child's brain. The left scan is labeled "Normal" and shows a typical brain structure with well-defined gyri and sulci. The right scan is labeled "Extreme Neglect" and shows significant brain atrophy, with enlarged ventricles and a loss of normal brain tissue. The scans are presented against a black background. Below the scans is a dark orange horizontal bar.

**90% of a child's brain
development happens before they
enter kindergarten.**



We'll Shine Together



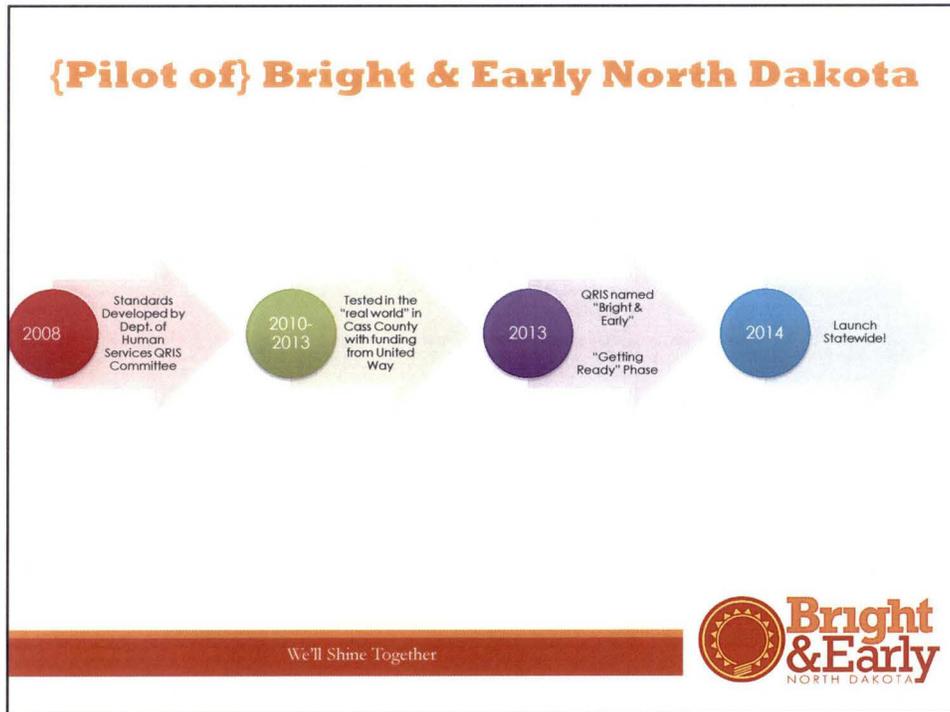
Bright & Early North Dakota

Method to assess, **improve**, and communicate the level of **quality** in early care & education and after-school settings

- Part of a national movement
- Based on the latest scientific research
- Tested in the "real world". Two year pilot in Cass County with 35 child care programs; 683 families; and over 1,200 children.
- Based on a Continuous Quality Improvement philosophy ("imperfect progress")
- Together We're Better.
Many children,
Many unique programs,
One Goal.

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{Pilot of} Bright & Early North Dakota

Variety of activities used to collect data

- Surveys (21 pilot programs)
- Personal Interviews (65 personal interviews with pilot programs, parents, and other early childhood professionals)
- Focus Groups (5 focus groups with 68 participants)
- Case Studies (21 pilot programs in Cass County and in-depth study of QRIS in 3 other states)
- Document Review (393 program documents, 600 + family surveys)
- Expert Opinion (national expert in QRIS reviewed North Dakota's framework and offered feedback)
- State and National Databases (Growing Futures Database, ND Licensing Verification, CACFP verification)
- On-site assessments (78 on-site observations)

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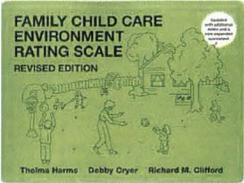


4 Steps

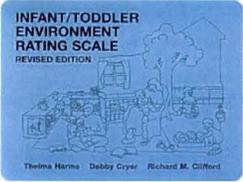
			
Health & Safety	Space & Materials	Activities & Experiences	Relationships & Interactions
Work to prevent injuries & reduce the spread of germs (starts with licensing).	Arrange a variety of toys to encourage play & learning.	Design opportunities during the day to promote language, creativity, movement & learning.	Use positive interactions to give children the individual attention they need to learn.

We'll Shine Together

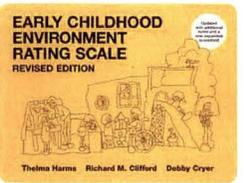




Thelma Harms Debby Cryer Richard M. Clifford



Thelma Harms Debby Cryer Richard M. Clifford



Thelma Harms Richard M. Clifford Debby Cryer



Space and Materials



Step 2

We'll Shine Together



Before Using the Environment Rating Scale



We'll Shine Together



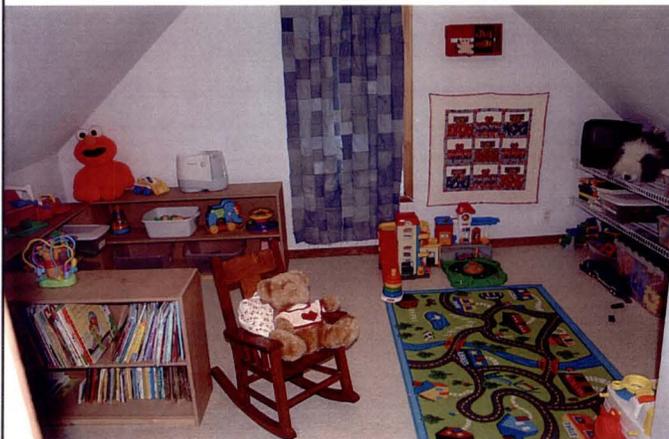
Space and Materials



Step 2



After Using the Environment Rating Scale



We'll Shine Together



Space and Materials



Step 2



Before Using the Environment Rating Scale



We'll Shine Together



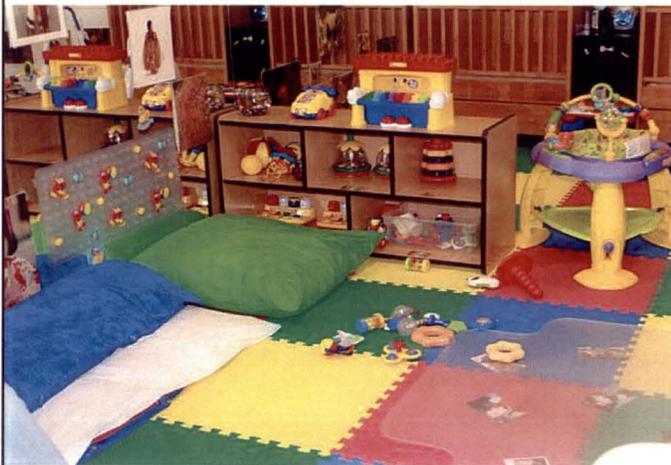
Space and Materials



Step 2



After Using the Environment Rating Scale



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Space and Materials



Step 2



90% of a child's brain development happens before they enter kindergarten.

Cleaning up after yourself	→	Personal responsibility; respect for property
Freedom to play + make choices about their play	→	Ability to make decisions
Learning to follow rules	→	Sound ethics
Play + exploration	→	Creative thinking and problem solving

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4 Steps

Health & Safety	Space & Materials	Activities & Experiences	Relationships & Interactions
Work to prevent injuries & reduce the spread of germs (starts with licensing).	Arrange a variety of toys to encourage play & learning.	Design opportunities during the day to promote language, creativity, movement & learning.	Use positive interactions to give children the individual attention they need to learn.

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Activities and Experiences



Step 3



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NORTH DAKOTA

90% of a child's brain development happens before they enter kindergarten.

Learning to play with others	→	Language skills and improved teamwork
Making up games and rules	→	Negotiation skills
Learning to follow rules	→	Sound ethics
Early exploration	→	Creative thinking and problem solving

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4 Steps

			
Health & Safety	Space & Materials	Activities & Experiences	Relationships & Interactions
Work to prevent injuries & reduce the spread of germs (starts with licensing).	Arrange a variety of toys to encourage play & learning.	Design opportunities during the day to promote language, creativity, movement & learning.	Use positive interactions to give children the individual attention they need to learn.

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What upper-case letters of the alphabet are made with ONLY diagonal lines?

- Did you already know that?
- How did you figure that out?
- What words described your thinking process?



Relationships and Interactions



Step 4

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Adult: Trey Von is very upset that you knocked over his structure. Do either of you have some ideas about what you could do to help Trey Von?

- Ideas from Children:**
- "Build it again"
 - "Rub his back"
 - "Give him a hug"
 - "Let him have my race car"
 - "Get his blanket for him"

VERSUS:

Adult: "What do you do?"

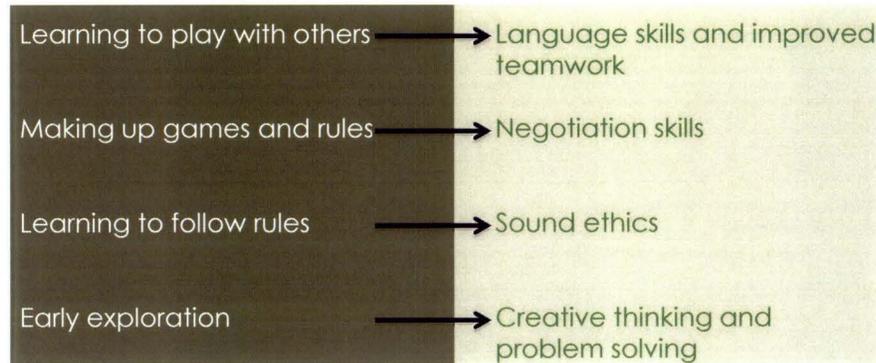
Child: "Say sorry"



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90% of a child's brain development happens before they enter kindergarten.



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How Do We Invest in Child Care Programs?

Programs have everything they need at their fingertips.

- **Playbook:** Guide that outlines the 4 steps to quality.
- **Coach:** Never have to go it alone
- **Dollars:** Purchase items children need to play & learn
- **Bonus Awards:** Extra \$ when complete step 2, 3 and 4 to stabilize the child care industry
- **Recognition:** Marketing tool-kit (consumer education)



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Overview



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CONNECTING THE DOTS

1 If families and caregivers can provide quality early childhood development, then children will start school ready to learn. Early experiences promote positive future learning, behavior and health.



2 If children start school ready to learn, they are more likely to read at grade level by 3rd grade. Remedial costs go down, potential lifelong gaps could be eliminated and our entire school system is better for ALL kids.

3 If children read at grade level by 3rd grade, they are more likely to graduate from high school. High school dropouts constitute 82% of the American prison population and are 4 times as likely to be unemployed, and apply for public assistance.



5 Confident, accomplished adults contribute to a responsible community. Employable, tax-paying citizens are critical to a vital economy.



4 If children graduate from high school, they are more likely to go on to higher education, creating a legacy for future generations and businesses benefit from a better educated workforce in these globally competitive times. High school graduates also can enter the job market as tax-paying citizens.

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