

# A Call for Quality Early Learning Opportunities in South Dakota





# A Call for Quality Early Learning Opportunities in South Dakota

## **Brain Development**

Young Children in South Dakota

SDPB Early Learning



# The Game Changer – The Human Brain

**WE HAVE LEARNED  
MORE IN THE LAST 20  
YEARS ABOUT THE  
BRAIN AND ITS  
FUNCTIONS THAN WE  
HAVE IN THE PAST 200  
YEARS.**



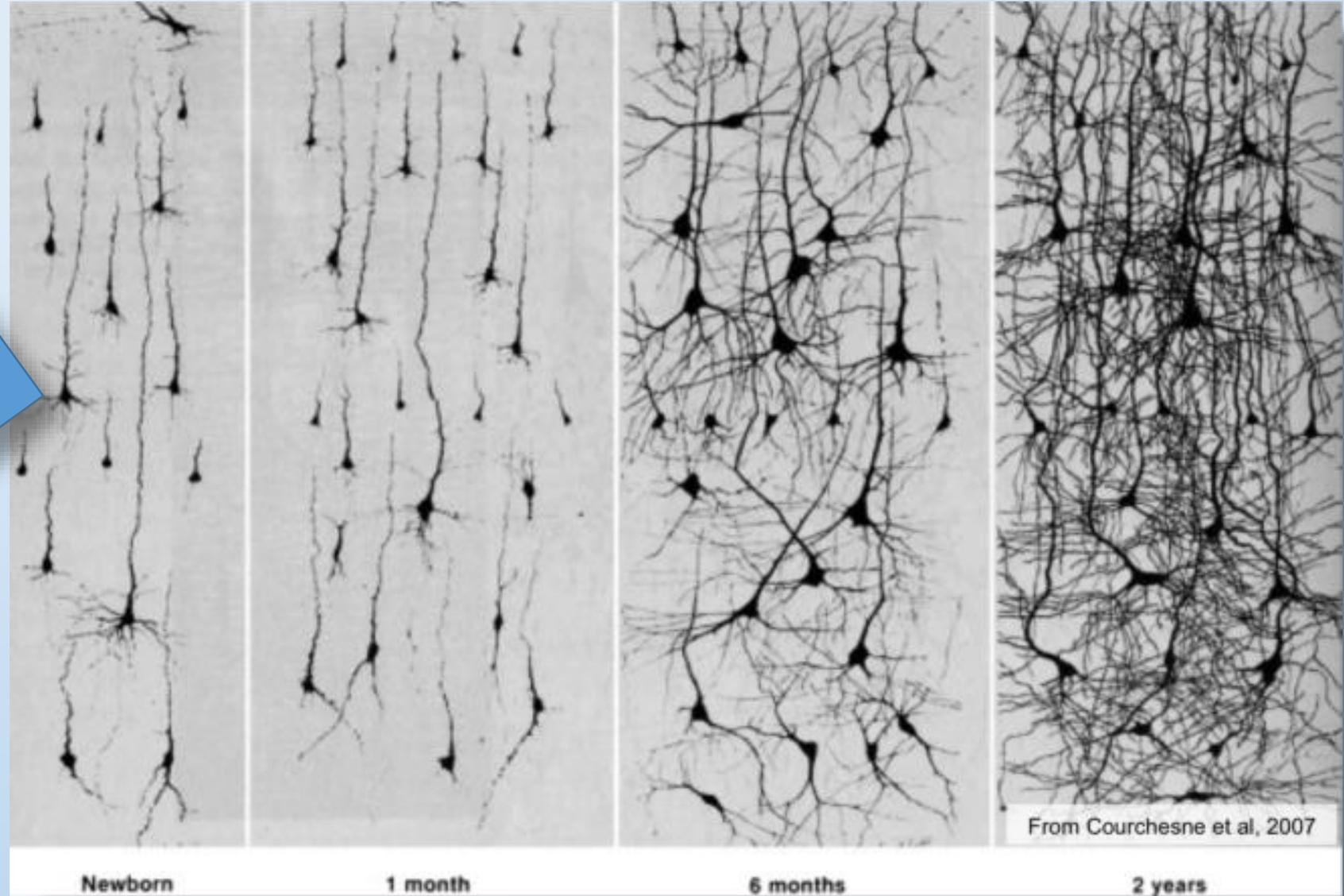
# Brain Development

- **From birth to age 5, a child's brain develops more than at any other time in life. And early brain development has a lasting impact on a child's ability to learn and succeed in school and life. The quality of a child's experiences in the first years of life – positive or negative – helps shape how their brain develops.**

**-[Firstthingsfirst.org](https://www.firstthingsfirst.org)**

# Brain Development

**Dendrites**



# Brain Development – Best Learning Practices

**Start early**

With

**Language Development**  
**Social/Emotional Development**  
**Exposure to the World**

# The Benefits of Early Learning

- Children at risk who do not participate in high-quality early education programs are 50% more likely to be placed in special education
  - 25 percent more likely to drop out of school
  - 60 percent more likely to never attend college
  - 70 percent more likely to be arrested for a violent crime. and 40 percent more likely to become a teen parent.
- 

A quality Early Learning program has positive results in every area including:

- Educational Savings
- Taxes on Earnings
- Welfare Savings
- Crime Saving



- Perry Preschool Project, The Heckman Equation, Federal Reserve Bank of Minneapolis

# The Benefits of Early Learning

**The return on investing in quality Early Learning programs is \$12.90/\$1 spent.**





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# Status of Young Children in SD

- 2015 population under 5 years **61,244**
  - 0-12,419, 1=12,520, 2=12,147, 3=12,137, 4=12,021

*Data source: Missouri Census Data Center. (2017). Population Estimates by Age [2015]. Available from <https://census.missouri.edu/population-by-age/>*

- 76% of children under age 6 have all available parents in the labor force (2015 data). The national average is 65%. **SD is highest in nation.**

*"Facts on Kids in South Dakota, Volume 17, 1<sup>st</sup> Quarter-2017, SD KIDS COUNT*

- Number of children under age 5 in poverty (2015) is 20% or 14,000 children  
**Some communities can be over 90%**

*SD KIDS COUNT Factbook 2016 pg. 10*

- SD one of 4 states without state funded pre-K (ID, NH, SD, WY)  
**(in other words 92% of states DO have state funding)...**

*NIEER State of Preschool Yearbook 2016 <http://nieer.org/state-preschool-yearbooks/yearbook2016>*

# Who is going to Preschool in South Dakota

Fee  
and  
School/Community  
Based

GAP

Head  
Start

Wealthy



Poor

# Two Key Issues in Early Learning in SD

**Quality**

**and**

**Availability**





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# South Dakota Public Broadcasting



## Early Learning Initiative



# Our Mission



To serve children  
and  
not sell something  
to them.



# Our Vision



To ensure that every child in South Dakota enters kindergarten ready for school and for life, supported by informed and engaged parents, professional educators, and caregivers.



## South Dakota Public Broadcasting Kids Engagement Model



Helping Kids Thrive  
Building Stronger Family Engagement  
Growing the Capabilities of Educators

Deep  
Engagement  
to  
Understand  
Issues

Leveraging  
Strong State  
Partnerships

Aligning  
with State  
Learning  
Goals

Training and  
Access to  
PBS/SDPB  
Resources

SDPB Resources

South Dakota ECE Partners

A Rich Library of Curriculum-Based Learning Games, Apps, and Activities

Streaming and On-Demand Programming on Digital and Mobile Devices

24/7 Broadcast Channel – Available FREE in Every Home, Every Hour, Every Day

50 Years of Trusted, Educational Children's Programming

# PBS and SDPB Programming and Resources



## PARENTS RATE **PBS KIDS** MOST EDUCATIONAL MEDIA BRAND

**PBS KIDS 66%**



Which network do you believe is the most educational for children?

- Disney Channel 8%
- Universal Kids 7%
- Disney Junior 6%
- Nickelodeon 6%
- Nick Jr. 5%
- Cartoon Network 2%

**PBS REACHES 72% OF ALL KIDS 2-8 YEARS OLD**

(Nielsen NPOWER, 9/25/2017 - 9/23/2018, L+7 M-Su 6A-6A TP reach, All PBS Stations, 50% unif., 1+min.)



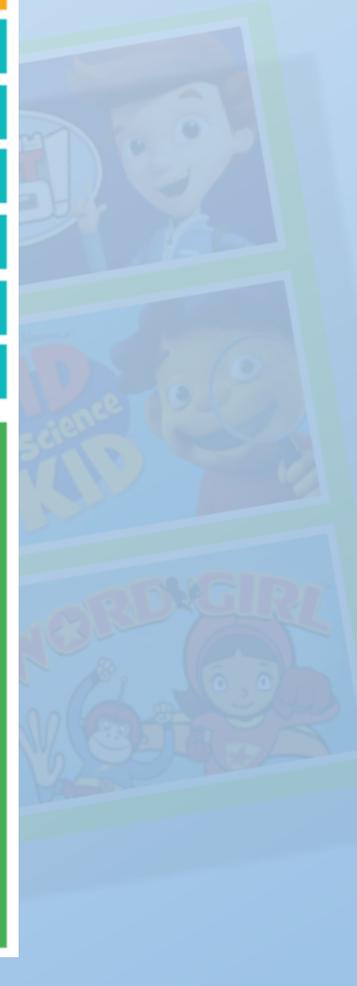
**PBS STATIONS REACH MORE HISPANIC, AFRICAN AMERICAN, ASIAN AMERICAN AND NATIVE AMERICAN PRESCHOOL-AGED CHILDREN THAN ANY KIDS TV NETWORK**

(Nielsen NPOWER, 9/25/2017 - 9/23/2018, L+7 M-Su 6A-6A TP reach, 50% unif., 1+min., K2-5 Hispanic, Black, Asian/Pacific Islander, American Alaskan Native, All PBS Stations, DSNY, NICK, DSNYJr, NICKJr., SPRT, TOON & DISCFam)

**PBS STATIONS REACH MORE CHILDREN IN LOW-INCOME HOMES THAN ANY KIDS TV NETWORK**

(Nielsen NPOWER, 9/25/2017 - 9/23/2018, L+7 M-Su 6A-6A TP reach, 50% unif., 1+min., LOH18-49w/C+6, HH w/inc <\$25K, All PBS Stations, DSNY, NICK, DSNYJr, NICKJr., SPRT, TOON & DISCFam)

**PBS LEARNINGMEDIA OFFERS EDUCATORS FREE ACCESS TO THOUSANDS OF CLASSROOM-READY RESOURCES**



Children and Families  
with adequate  
to abundant resources

Children and  
Families with  
limited resources

Children and  
Families with  
little to no  
resources



SDPB Early Learning Initiative Services Three Groups!

Childcare Providers

Parents

Educators



# South Dakota Early Learning Guidelines



## Approaches to Learning

Children are born with an inclination to learn. This is reflected in behaviors and attitudes such as curiosity, problem-solving, maintaining attention, and persistence.

[LEARN MORE](#)



## Social & Emotional Development

Children's feelings about themselves and their relationships with others is the foundation for personality development. These characteristics and skills impact every other area of development.

[LEARN MORE](#)



## Communication, Language & Literacy

From birth, children are learning language and developing the ability to communicate. Talking, singing, reading, and responding effectively when children express themselves are great investments supporting learning.

[LEARN MORE](#)



## Cognitive Development

This fascinating area of development includes understanding how children acquire, organize, and use information in increasingly complex ways. Through play, skills are developed as the foundation for exploring and understanding more sophisticated concepts.

[LEARN MORE](#)



## Health & Physical Development

Physical growth, muscle development, nutrition, self-care, health and safety practices are included in this area. Safe and healthy practices support the ability to learn more effectively in all areas.

[LEARN MORE](#)

# PBS and SDPB Programming and Resources



# PBS and SDPB Programming and Resources



America's Largest Classroom



**PBS KIDS on Multiple Platforms is  
EQUIVALENT ACADEMICALLY TO A  
QUALITY PRESCHOOL\***

\*Northwestern University Study



# SDPB Early Learning Initiative

PBS and  
SDPB  
Programming  
and  
Resources

ELI

South Dakota  
Early  
Learning  
Guidelines



**PBS Kids Programming**  
**South Dakota Early Learning Guidelines**  
**Crosswalk**

Domain	Programming
<p><b>Approaches to Learning (AL)</b></p> <ul style="list-style-type: none"> <li>• Curiosity, Information Seeking, and Eagerness</li> <li>• Initiative, Effort, Engagement, and Persistence</li> <li>• Risk-Taking, Problem-Solving, Flexibility, and Resiliency</li> <li>• Play and Imagination</li> </ul>	<ul style="list-style-type: none"> <li>• Arthur</li> <li>• The Cat in the Hat Knows a Lot</li> <li>• Curious George</li> <li>• Daniel Tiger's Neighborhood</li> <li>• Dinosaur Train</li> <li>• Let's Go Luna!</li> <li>• Molly of Denali</li> <li>• Nature Cat</li> <li>• Odd Squad</li> <li>• Peg + Cat</li> <li>• Ready Jet Go!</li> <li>• Sesame Street</li> <li>• Splash and Bubbles</li> <li>• Super WHY!</li> <li>• Sid The Science Kid</li> </ul>
<p><b>Social and Emotional (SED)</b></p> <ul style="list-style-type: none"> <li>• Developing a Positive Sense of Self Goal</li> <li>• Developing Relationships</li> <li>• Self-Regulation and Pro-Social Behaviors</li> </ul>	<ul style="list-style-type: none"> <li>• Arthur</li> <li>• Daniel Tiger's Neighborhood</li> <li>• Molly of Denali</li> <li>• Sesame Street</li> <li>• Splash and Bubbles</li> <li>• Clifford The Big Red Dog</li> </ul>
<p><b>Communications, Language and Literacy (CLL)</b></p> <ul style="list-style-type: none"> <li>• Communicating and Oral Language Development</li> <li>• Foundations for Reading</li> <li>• Foundations for Writing</li> <li>• Learning New Languages</li> </ul>	<ul style="list-style-type: none"> <li>• Arthur</li> <li>• Sesame Street</li> <li>• Super WHY!</li> <li>• Martha Speaks</li> <li>• <del>WordWorld</del></li> </ul>
<p><b>Cognitive Development (CD)</b></p> <ul style="list-style-type: none"> <li>• Construction of Knowledge: Thinking and Reasoning</li> <li>• Mathematical Thinking and Expression</li> <li>• Scientific Exploration and Knowledge</li> <li>• Social Studies, Family and Community Connections</li> <li>• Creative Arts and Expression</li> </ul>	<ul style="list-style-type: none"> <li>• The Cat in the Hat Knows a Lot</li> <li>• Curious George</li> <li>• Daniel Tiger's Neighborhood</li> <li>• Dinosaur Train</li> <li>• Let's Go Luna!</li> <li>• Molly of Denali</li> <li>• Nature Cat</li> <li>• Odd Squad</li> </ul>



**Domain: Cognitive Development (CD)**

**Component: MATHEMATICAL THINKING AND EXPRESSION**

- **Goal CD-4:** Through their exploration, play, and social interactions children count with understanding and use numbers to tell how many, describe order, and compare.
- **Goal CD-5:** Through their exploration, play, and social interactions children demonstrate concepts about position, as well as identify and describe simple geometric shapes.
- **Goal CD-6:** Through their exploration, play, and social interactions children compare, sort, group, organize, measure, and create simple patterns using concrete objects.
- **Goal CD-7:** Through their exploration, play, and social interactions children use mathematical thinking to ask questions and solve problems.

**PBS Programming that teaches Mathematical Thinking and Expression**

- **The Cat in the Hat Knows a Lot**
- **Curious George**
- **Odd Squad**
- **Peg + Cat**
- **Sesame Street**
- **Sid The Science Kid**

**Big Picture: Programming and support materials that cover multiple math GOALS**

<p>Peg + Cat Camp</p>	<p>Peg + Cat Camp engages preschoolers in fun, informal learning experiences in math and problem-solving.</p> <p><a href="https://deb.educationmedia.org/collection/peg-cat-camp-collection/">https://deb.educationmedia.org/collection/peg-cat-camp-collection/</a></p>
<p>Sesame Street Toolkit - Math</p>	<p>Sesame Street Math is Everywhere aims to help parents, caregivers, and educators help young children explore and understand math in the everyday world. By focusing on the broad thinking and reasoning skills required to master mathematics, Math is Everywhere hopes to use math as an early starting point for empowering children's learning across the curriculum for years to come.</p> <p><a href="https://www.sesameworkshop.org/toolkits/math">https://www.sesameworkshop.org/toolkits/math</a></p>

# PBS Resources

## Interactives



### Song: Number of the Day: 20 | Sesame Street

Math, counting, and number recognition have never been so catchy! Sing along with The...

Sesame Street  
Grades PreK-1

## Videos



### Sorta-ma-Gogo | The Cat in the Hat Knows a Lot About That!

Visit Toborrowland with Nick and Sally, and help them pick up and sort...

The Cat in the Hat Knows a Lot About That  
Grades PreK-K



### Peg + Cat Camp | Day 1

Peg and Cat are helping the Farmer today, and they have a lot of work to do! Today's activities include...

Peg + Cat  
Grade PreK

## Lesson Plans



[Home](#)

[Television](#)

[Radio](#)

[Explore](#)

[Learn](#)

[HS Athletics & Fine Arts](#)

[Ways to Support](#)

[Donate](#)



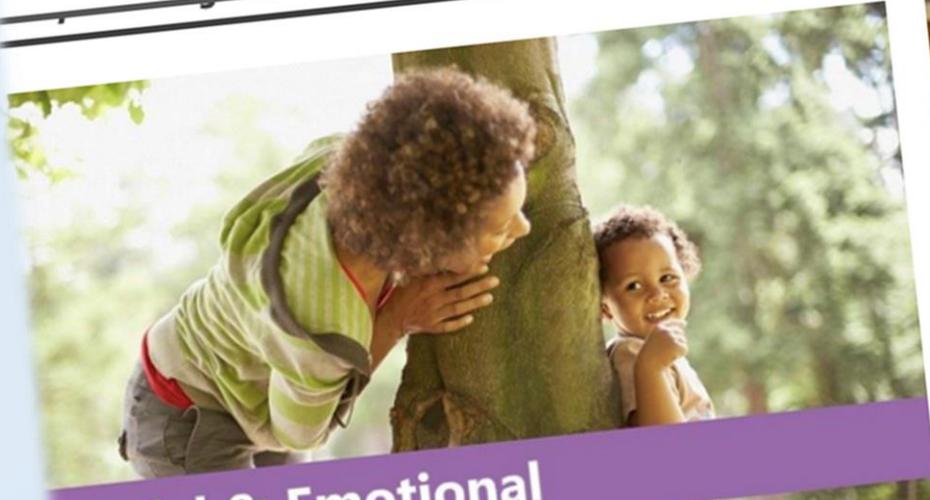
## SDPB Early Learner Links

[About SDPB's Early Learning Initiative](#)

[SD Early Learning Guidelines](#)

[SDPB's Learning Home Page](#)

- [Approaches to Learning](#)
- [Social & Emotional Development](#)
- [Communications Development](#)
- [Cognitive Development](#)
- [Health & Physical Development](#)
- [SDPB Outreach](#)
- [Links & Resources](#)



**Social & Emotional**



**Communications**



**Cognitive**



**Health & Physical**



## Social and Emotional Development - SDPB Early Learning



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## Development of Positive Sense of Self

Children demonstrate a positive sense of themselves as unique and capable individuals in play and everyday tasks (\*Goal SED-1)

- Self-Awareness Understanding Emotions
- Self-Awareness Preferences and Self Image
- Social Awareness -Detecting Qualities of Individuals and Groups
- Self-Management Self-Control
- Relationship Skills - Understanding Relationships
- Relationship Skills - Mutual Respect
- Moral Functioning - Understanding Ethics, Safety, and Norms
- Moral Functioning - Demonstration of Care and Empathy

## Developing Relationships

Children form relationships and interact positively with familiar adults in play and everyday tasks (\*Goal SED-2)

Children form relationships and interact positively with other children in play and everyday tasks. (\*Goal SED-3)

- Social Awareness -Detecting Qualities of Individuals and Groups
- Social Awareness -Addressing Interpersonal Conflict
- Social Awareness -Playing with Others





# Social And Emotional Development

Resources in Social And Emotional Development encourage children to develop positive peer and adult interactions and to manage self-expression and inner feelings. Many of our favorite characters, such as Daniel Tiger, Super Why, and Caillou, teach lessons on confronting our fears, working together as a team, and welcoming a new member to a family. Kindness is explored in a lesson that also challenges a student's artistic expression by making a Kindness Tree. An interactive activity can be used to encourage and teach appropriate social behaviors. Social problem solving, self awareness, and empathy are also explored.

## All Social And Emotional Development

- Self Awareness
- Understanding Emotions
- Preferences and Self Image
- Social Awareness
- Self Management
- Responsible Decision Making
- Relationship Skills
- Moral Functioning

Filter by  Type

Sort by

### Videos(2)

**Feelings | Everyday Learning**  
This video explores feelings and how they are expressed through our faces and body gestures.  
2:05

**Taking Sides | ARTHUR**  
Explore the problems and tensions created by misunderstandings and the inability to listen to diverse points...  
11:25

**Clifford THE BIG RED DOG™**  
Programming and Lessons from  
Lesson Plan WQED education

**Clifford the Big Red Dog Programming | WQED**  
This collection of resources has been designed to help teach character development and...

Grades PreK-1, 13+

### Collections(4)

**BUILDING CHARACTER**  
Collection 18

**Arthur All About Community**  
Collection 26

**Arthur**  
Collection 61





- 6. Health and Physical Development
- 7. Activities: Arts, Fitness, Language, Science and Math, Social Studies

\*\*\*\*\*

- 1. [SDPB 1 Kids Television Schedules/](#) [SDPB 4 PBS Kids Television Schedule](#)

### Featured Collection:

#### **Curious George: "STEM"**

Active learning begins with curiosity! The Curious George STEM Collection is a great way to help young children understand science, technology, engineering, and math (STEM) concepts, such as measuring, building, and simple machines. Lesson plans with Curious George videos offer hands-on investigations and exciting new learning opportunities that will inspire children to explore the world around them. [Program Site](#) Grade: PreK - 4

\*\*\*\*\*

#### **2. Approaches to Learning:**

Curiosity, Information-Seeking, and Eagerness; Initiative, Effort, Engagement, and Persistence; Risk-Taking, Problem-Solving, Flexibility, and Resiliency; Play and Imagination

### Online Resources:

#### **Building Bridges – The Cat in the Hat**

Join Nick, Sally, and the Cat in the Hat as they learn about

# Social Media



# Let's Talk about Screen Time Concerns



- Reading and reading to children is still the best educational intervention for early learners.
- Kids are over-served by media and under-served by media and content of quality that matters.
- Not all screen time is created equal. We should limit the amount of screen time, but quality screen time is a vital part of the modern educational process.



Exploring new ways  
to keep kids learning.  
Anytime. Anywhere.



Powered by a  
Ready To Learn Grant

Collections > Ready to Learn 2015-2020 Initiative > Educator Resources > **PBS KIDS Family & Community**

**Learning**



**FAMILY**  
& Community Learning

**PLAY & LEARN  
SCIENCE!**

**FACILITATOR GUIDE**



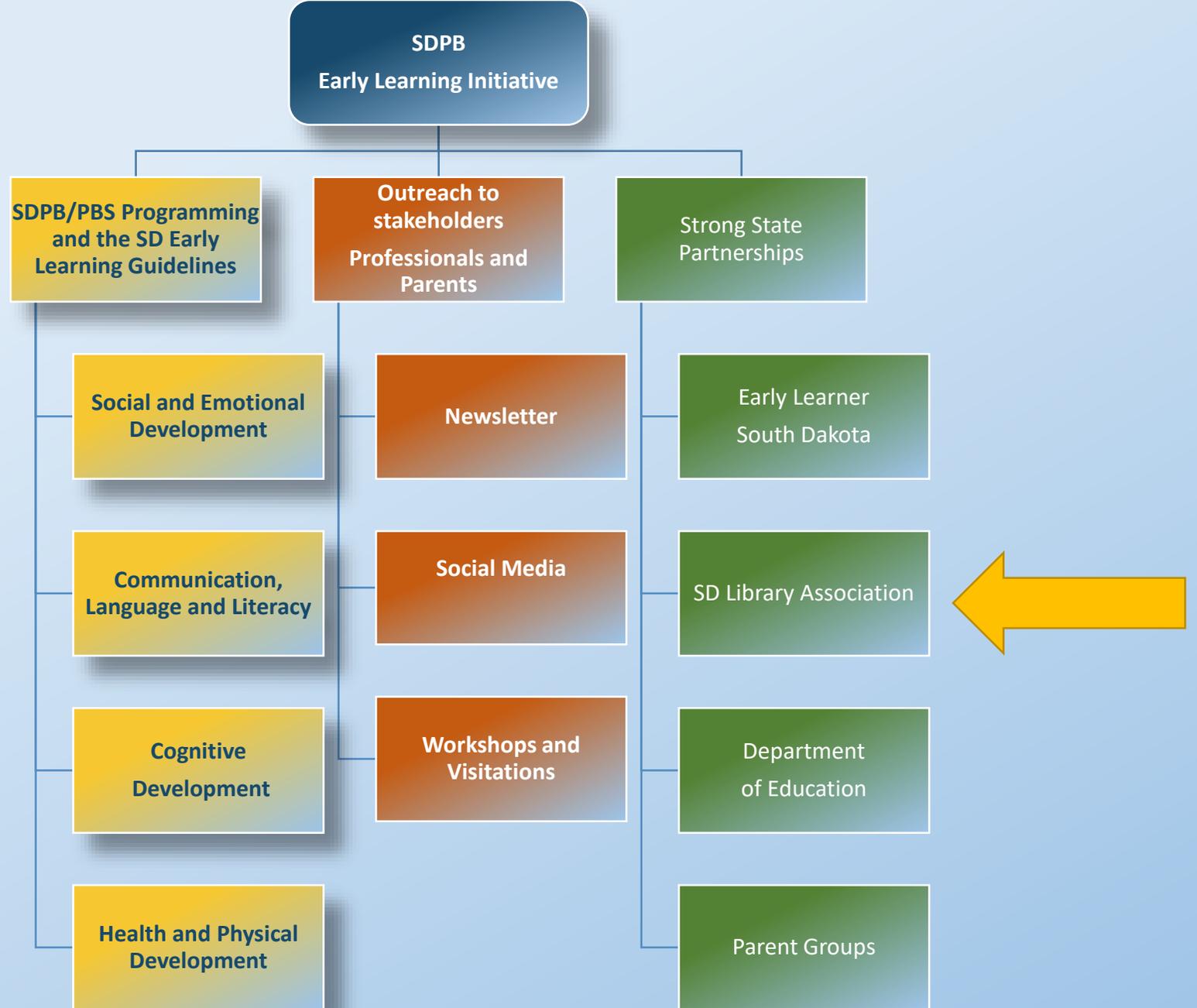
Courtesy of KET

A multi-generation engagement program  
designed to activate creative and collaborative  
learning using PBS KIDS media and resources



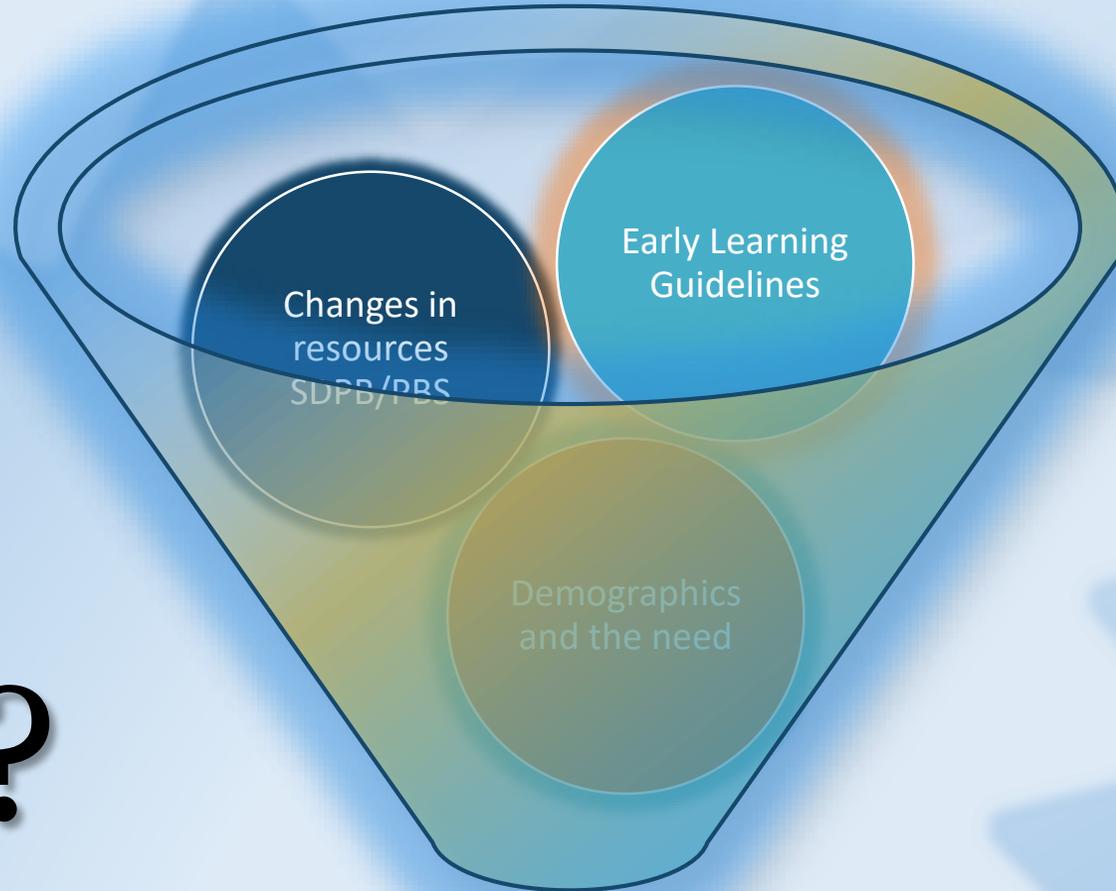


# South Dakota Public Broadcasting Early Learning Initiative





# Why Now?



**Now is the time for the SDPB  
Early Learning Initiative**



# A Call for Quality Early Learning Opportunities in South Dakota

**A History of Education in South Dakota**

**Brain Development**

**Young Children in South Dakota**

**The State of Preschool in South Dakota**

**SDPEB Early Learning**

**THANK YOU!**

