Considerations for the Fall: Applying the Essential Elements of Data Literacy to Respond to Student and System Needs

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Welcome

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Who are we?

COVID-19 Resources for Supporting Students with Disabilities

https://ncsi.wested.org/

Introducing the PROGRESS Center

The PROGRESS Center provides information, resources, tools, and technical assistance services to support local educators in developing and implementing high-quality educational programs that enable children with disabilities to make progress and meet challenging goals, consistent with *Endrew F. v. Douglas County School District* (2017).

HOW WILL WE HELP IMPROVE OUTCOMES FOR STUDENTS WITH DISABILITIES?

Share current research, policies, guidance, success stories, and experiences from students, parents, educators, and other stakeholders.

Partner with selected local educators to develop and implement high-quality educational programs.

Provide tools, resources, and training materials for ALL educators, leaders, and families.

Visit us at www.promotingPROGRESS.org
to learn more!

PROGRESS Center
Promoting Rigorous Outcomes and Growth by
Redesigning Services for Students With Disabilities
at the American Institutes for Research®

IDEAs that Work
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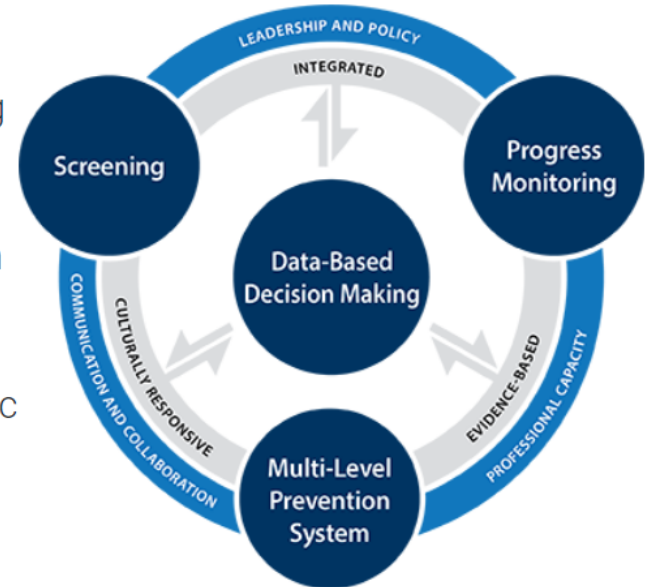
ESSENTIAL COMPONENTS ▾   IMPLEMENTATION   REQUEST SUPPORT   SPECIAL TOPICS   OUR EXPERTISE ▾

Welcome to the MTSS Center

Since 2007 the MTSS Center has been a leader in supporting states, districts, and schools across the country in implementing an MTSS framework that integrates assessment and intervention within a multi - level prevention system to maximize student achievement and reduce behavior problems. To learn more about the essential components of MTSS click on the components of the graphic

LEADERSHIP AND POLICY
INTEGRATED
Screening
Progress Monitoring
Data-Based Decision Making
COMMUNICATION AND COLLABORATION
CULTURALLY RESPONSIVE
EVIDENCE-BASED
PROFESSIONAL CAPACITY
Multi-Level Prevention System

Launching August 2020 at
www.MTSS4success.org

Session Outcomes

At the end of this session, participants will be able to:

- Use the four essential elements of data literacy as a guide for SEA, LEA, and school building teams to explore questions, manage, and use data, both virtually and in-person, to make informed decisions.

- Access tools to help support LEAs to work together to meet student's diverse needs.

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national center for systemic improvement

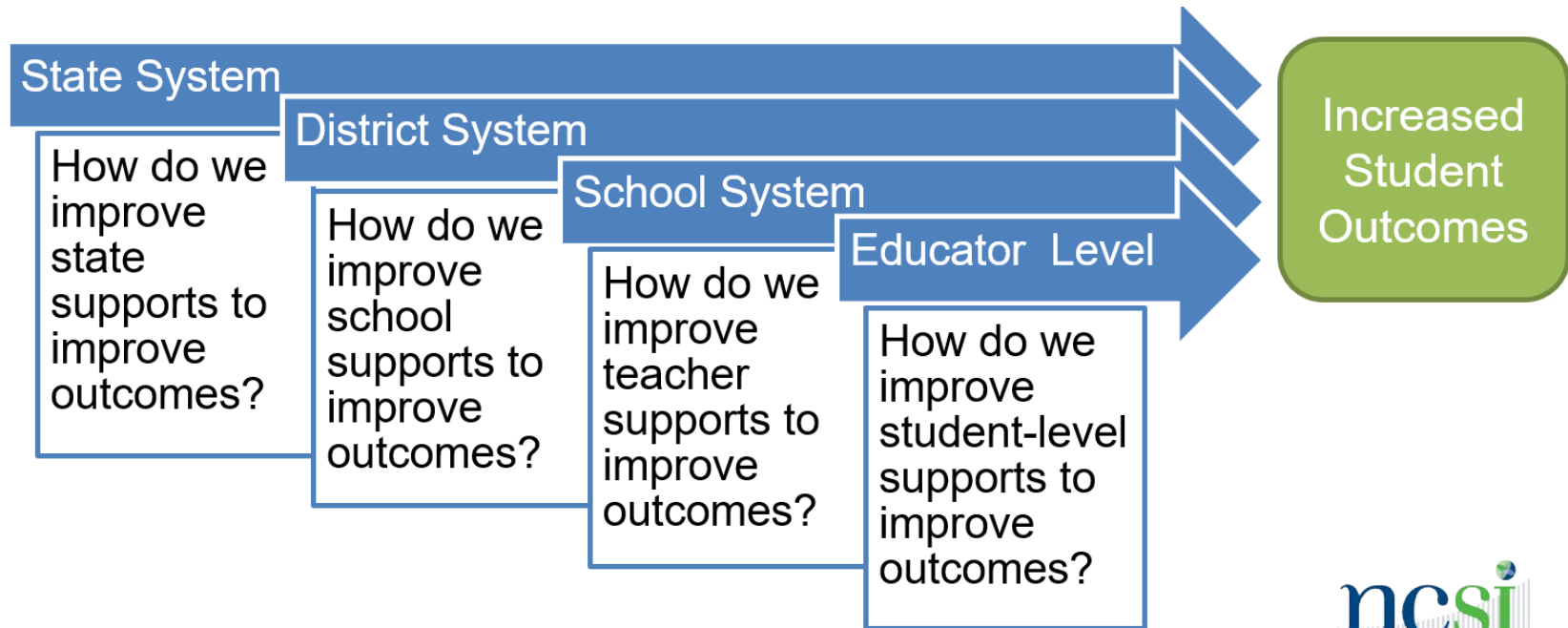# What is data literacy? What does it mean to be data literate?

**Without knowing,
how can we respond?
How can we plan?**

Building Data Literacy helps us to:

- Explore which data are needed to deeply understand the problems driving poor systemic results;

- Enable nimble access to necessary data;

- Analyze, interpret, use, and report data to promote goal attainment; and

- Reflect on data access and analysis to improve infrastructure to enable better use.

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Build Data Literacy at All Levels of the System

State System

How do we improve state supports to improve outcomes?

District System

How do we improve school supports to improve outcomes?

School System

How do we improve teacher supports to improve outcomes?

Educator Level

How do we improve student-level supports to improve outcomes?

Increased Student Outcomes

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Lessons Learned (What we Know)
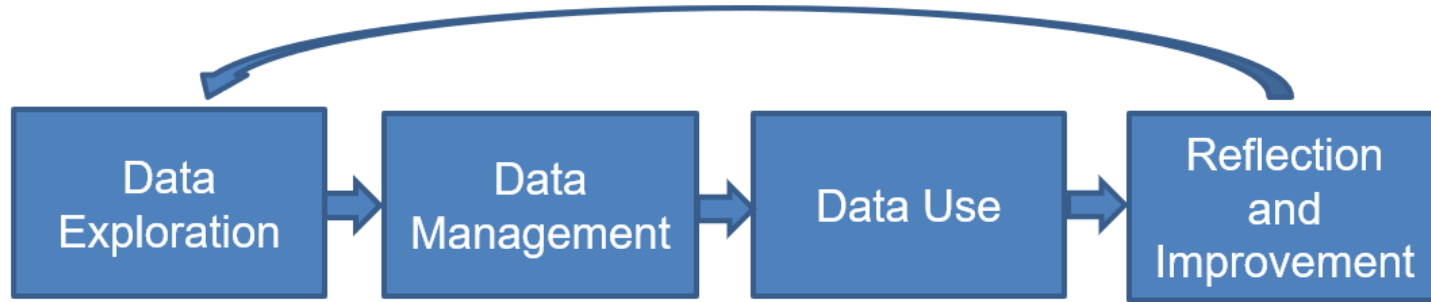
Ensure common understanding of data literacy.	Provide a continuum of professional learning opportunities.	Build infrastructure to support data literacy.	Engage stakeholders.

Data Literacy Continuum: Essential Elements

Data Exploration

What?
- Purpose and vision (set the path)
- Research questions (what do we want/need to know)

Considerations
- Who are the impacted stakeholders?
- Establishing buy-in prior to moving forward

Data Management

What?
- Data definitions
- Data selection
- Data collection/ access
- Data submission
- Data fidelity
- Data management system/storage

Considerations
- Costs, time, feasibility, burden on stakeholders

Data Use

What?
- Data analysis
- Data use/data-based decision making
- Data sharing and reporting

Considerations
- Balance of use...systems improvement, instructional decision making, reporting
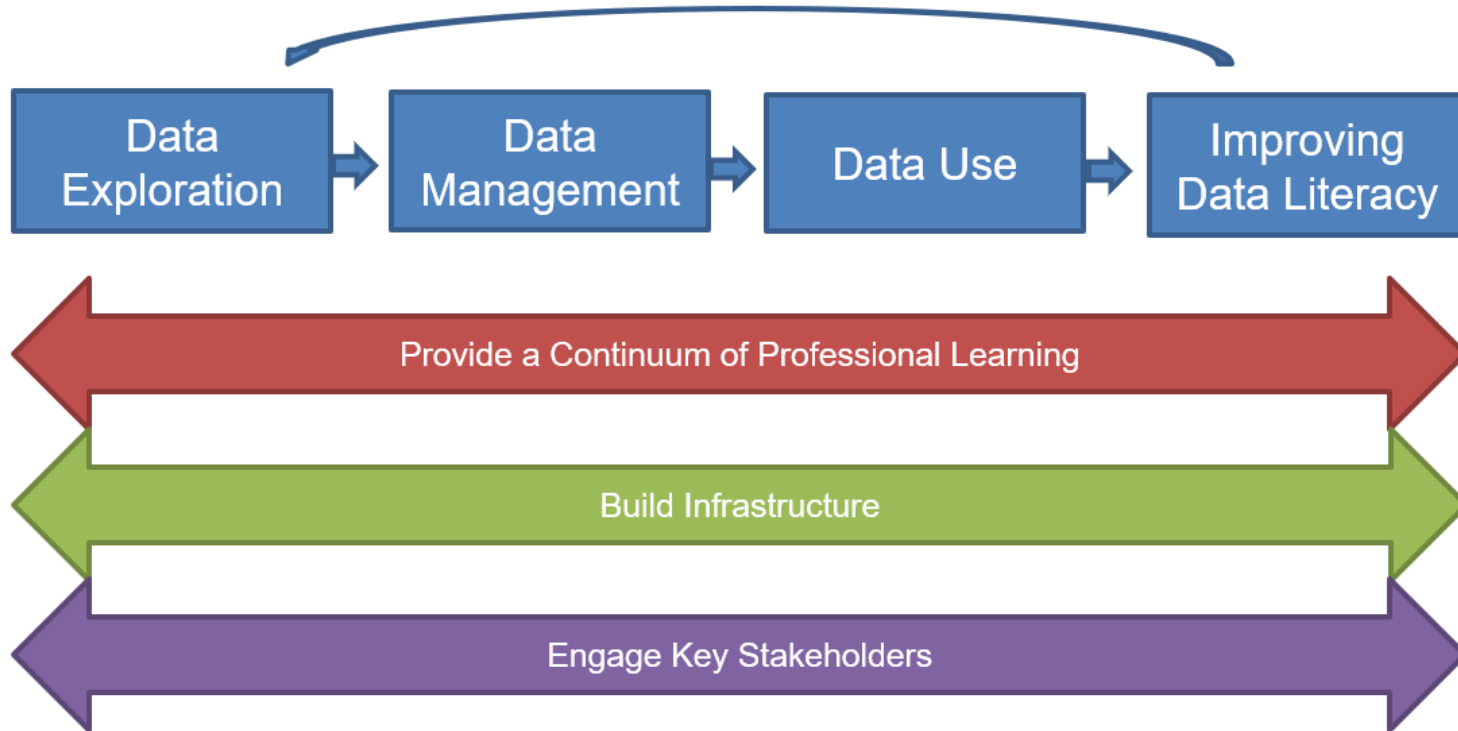- Use depends on role

Reflection and Improvement

What?
- Efficiency and effectiveness data literacy
- Data integration
- Sustainability at data use/management
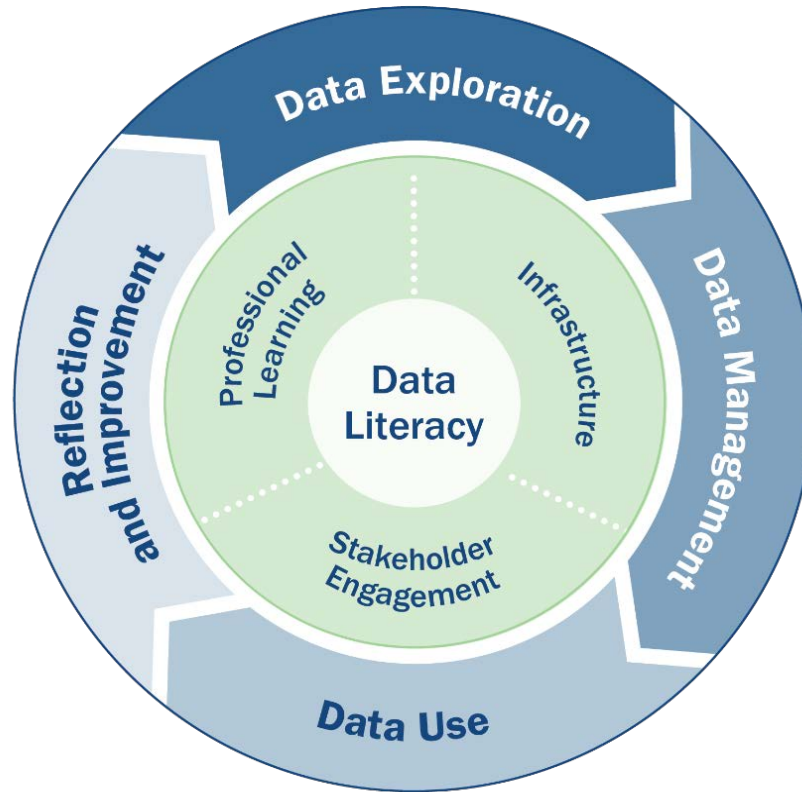- Scaling processes
- Improving fidelity

Considerations
- How can we improve costs, time, feasibility, data system, burden on stakeholders for data use?
- Did we answer our questions?

Data Literacy Continuum: Essential Elements.

Putting it All Together: Defining Data Literacy

Considerations for Data Exploration

- What data have been collected in the past?

- What do we **need** to know to provide instruction and services in the fall?

- What do we **need** to know to identify regression based upon change of instruction from spring and summer?

- What do our staff, families, and students **need** to know? What do they want to know?

Resources for Data Exploration Decisions

- Virtual IEP Tip Sheets
https://promotingprogress.org/resources/virtual-iep-meeting-tip-sheets

- Sample Agendas
https://promotingprogress.org/resources/virtual-iep-meeting-sample-agenda

- Leading by Convening
https://ncsi.wested.org/resources/leading-by-convening/

Considerations for Data Management

- Will the data be valid? Will the data be an accurate representation of what we want to know (e.g., student performance, fidelity)?

- Will it be feasible? Can data be collected in this context? Can I still use my current data tools?

- Will it be useful? Will it help me improve my services, planning, supports, or communication with parents and stakeholders?

Resources for Data Management Decisions

- Frequently Asked Questions on Collecting Progress Monitoring Data Virtually https://intensiveintervention.org/resource/FAQ-collecting-progress-monitoring-data-virtually

- Academic https://charts.intensiveintervention.org/aprogressmonitoring and Behavior https://charts.intensiveintervention.org/bprogressmonitoring Progress Monitoring Tools Charts (NCII)

- Academic https://charts.intensiveintervention.org/ascreening and Behavior https://charts.intensiveintervention.org/bscreening Screening Tools Charts (NCII)

- Developing Academic and Functional PLAAFPs (Coming Soon – PROGRESS Center)

- Ensuring Fidelity of Assessment and Data Entry Procedures https://intensiveintervention.org/resource/ensuring-fidelity-assessment-and-data-entry-procedures (MTSS Center & NCII)

- Informal Diagnostic Tools https://intensiveintervention.org/intensive-intervention/diagnostic-data/example-diagnostic-tools For Instructional Decision Making (NCII)

- Implementation Evaluation Matrix (NCSI)

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Considerations for Data Use

- How will we balance data use across systems improvement, instructional decision making, and reporting?

- How will the data be used to measure the loss of learning or regression? How will data be compared to last progress of data from spring/end of year?

- How will teams problem solve around data?

- How will data be interpreted and communicated to stakeholders, including parents, to collaboratively implement educational programs?

Resources for Data Use

- Tools to Support Intensive Intervention Data Meetings https://intensiveintervention.org/implementation-support/tools-support-intensive-intervention-data-meetings

- Supporting Students with Disabilities at School and Home: A Guide for Teachers to Support Families and Students (PBIS, Integrated MTSS, NCII) https://intensiveintervention.org/resource/supporting-students-disabilities-school-and-home

- Data Visualization Toolkit: Tools & Tips for Presenting Data Effectively (NCSI) https://ncsi-library.wested.org/resources/56

Considerations for Reflection and Improvement

- When and how will we engage in discussions about what worked and didn't work? What is the role of the leader?

- How can we improve costs, time, feasibility, data system, burden on stakeholders for data use?

- Did we answer our questions?

Resources for Reflection and Improvement

- Wins and Hiccups: A Collaborative Implementation Problem-Solving Guide (NCSI) https://ncsi-library.wested.org/resources/191

- Implementation Strategies and Resource Grid: A Companion Tool to Wins and Hiccups (NCSI) https://ncsi-library.wested.org/resources/212

- Managing the Implementation Dip (NCSI) https://ncsi-library.wested.org/resources/222

Lessons Learned to Engage Stakeholders

- Communicate a clear and consistent message to educators regarding the importance of collecting high-quality and reliable data.

- Engage stakeholders in data need sensing and tool selection or development to promote buy-in from the communities that will utilize the tool.

- Regularly share data on quality with internal and external stakeholders.

Data Use Multi-State Spotlight: Using Data Fidelity Tools to Improve Data Quality (2018)

Lessons Learned About Data Use: Recommendations for Next Steps

Ensure common understanding of data literacy.

Provide a continuum of professional learning opportunities.

Build infrastructure to support data literacy.
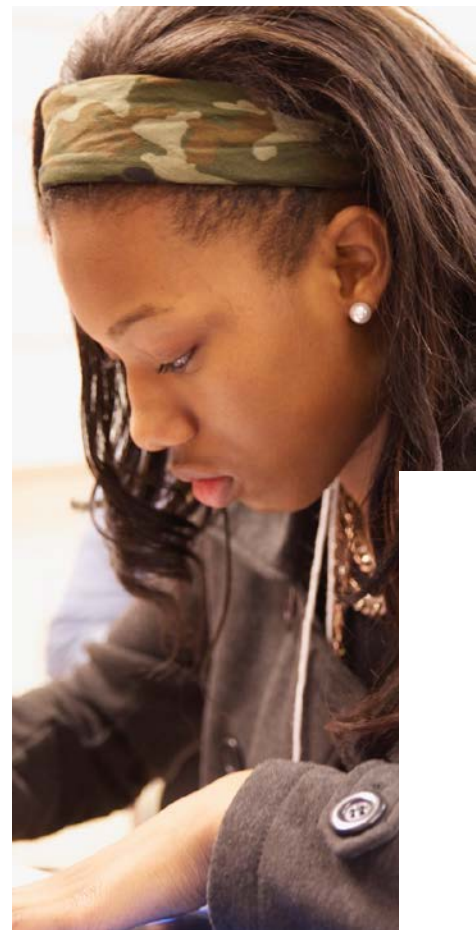
Engage key stakeholders.

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Q&A

National Resources to Support Effective Use of Data at the Local Level

- National Center for Systemic Improvement, https://ncsi.wested.org/

- National Center on Intensive Intervention, www.intensiveintervention.org

- National Center on Educational Outcomes, Moving Your Numbers, http://www.movingyournumbers.org/

- National Center on Improving Literacy, https://improvingliteracy.org/

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Thank you! We look forward to working with you!

IDEAs that Work
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