Interpreting MSTAR Universal Screener Reports

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Jo Ann Bilderback, TEA

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Goals

- Understand the purpose of the MSTAR Universal Screener.
- Examine the connection between RtI and the MSTAR assessment system.
- Interpret results from the MSTAR Universal Screener reports.

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Purpose of TXAR Initiatives

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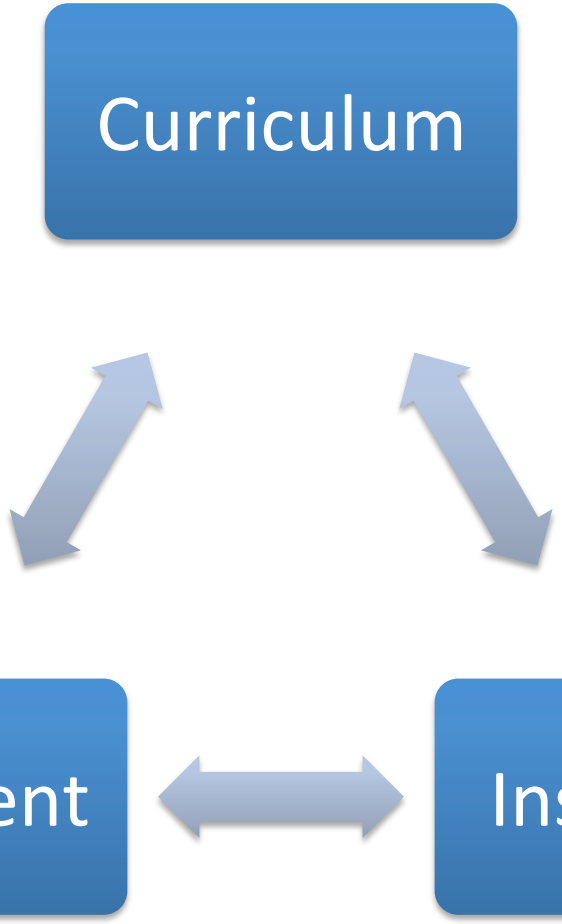
TXAR Implementation



Revised TEKS

Revised TX-RCFP

ESTAR/MSTAR Academies for core instruction and interventions

lessons for intervention

Formative Assessments: universal screeners and diagnostic assessments

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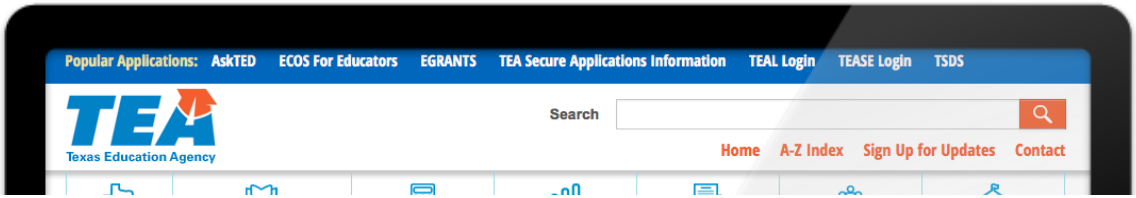
What is RtI?



Home / Curriculum and Instruction / Special Education / Programs and Services

Response to Intervention

Response to Intervention (RtI) is an approach that schools use to help all students, including struggling learners. The RtI approach gives Texas students opportunities to learn and work at their grade level. The idea is to help all students be successful.

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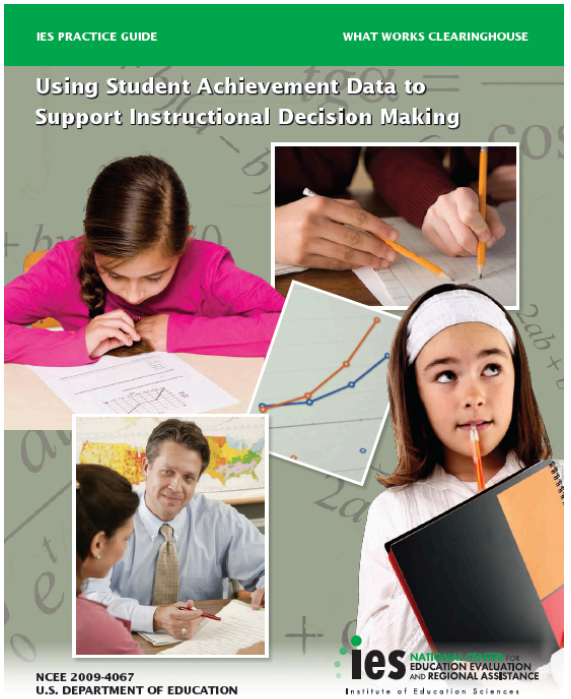
Using Data to Support Instructional Decision Making

Recommendation 1.
Make data part of an ongoing cycle of instructional improvement

- **Collect** and prepare a variety of **data** about student learning.
- **Interpret data** and **develop hypotheses** about how to improve student learning.
- **Modify instruction** to test hypotheses and increase student learning.



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The Data Use Cycle

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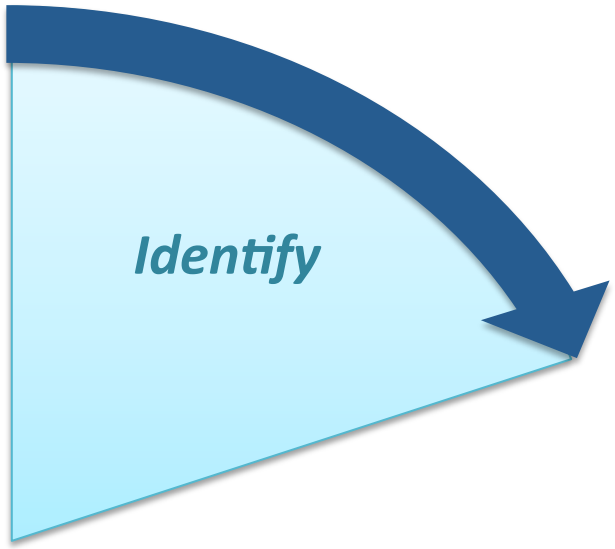
Identify

- Administer the MSTAR Universal Screener to **all students** in your classroom.

- Three times a year
  - Fall
  - Winter
  - Spring



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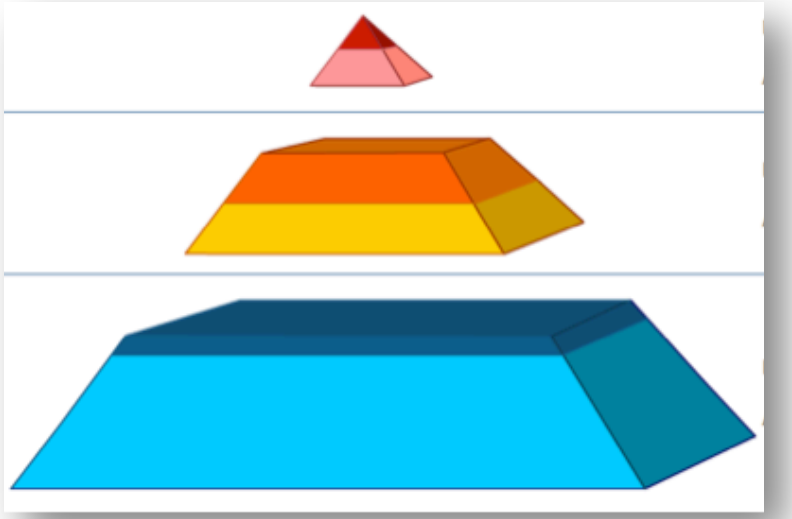
Identify

Identify
if students are on track or at risk.

Algebra Readiness

Identify
the degree of support needed.



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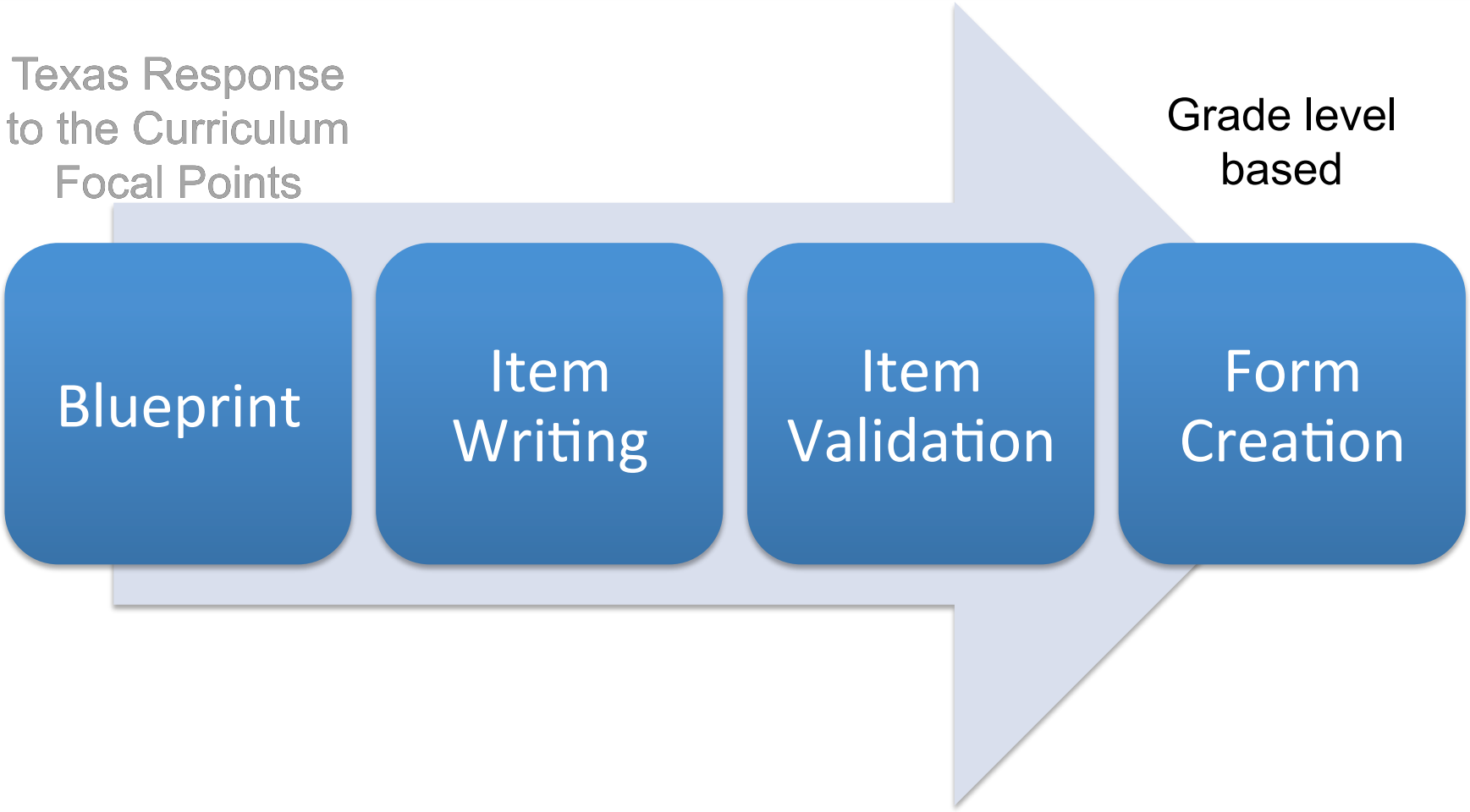
Identify



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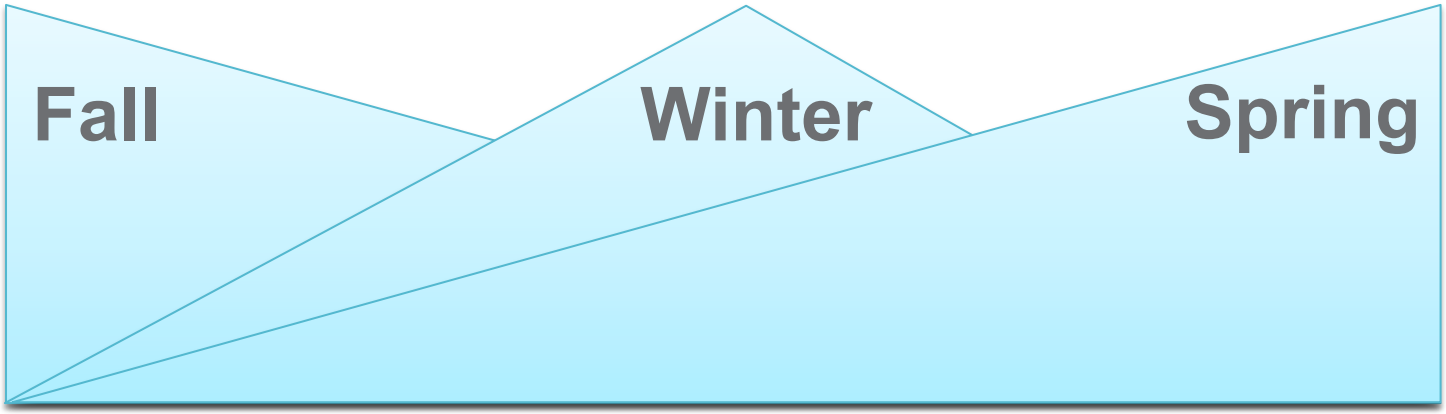
Identify



Foundational

Knowledge and skills students should bring with them from the previous grade level.

Bridging

Conceptual understanding needed to fully understand the target skill.

Target

Knowledge and skills students should be proficient in by the end of the grade level.

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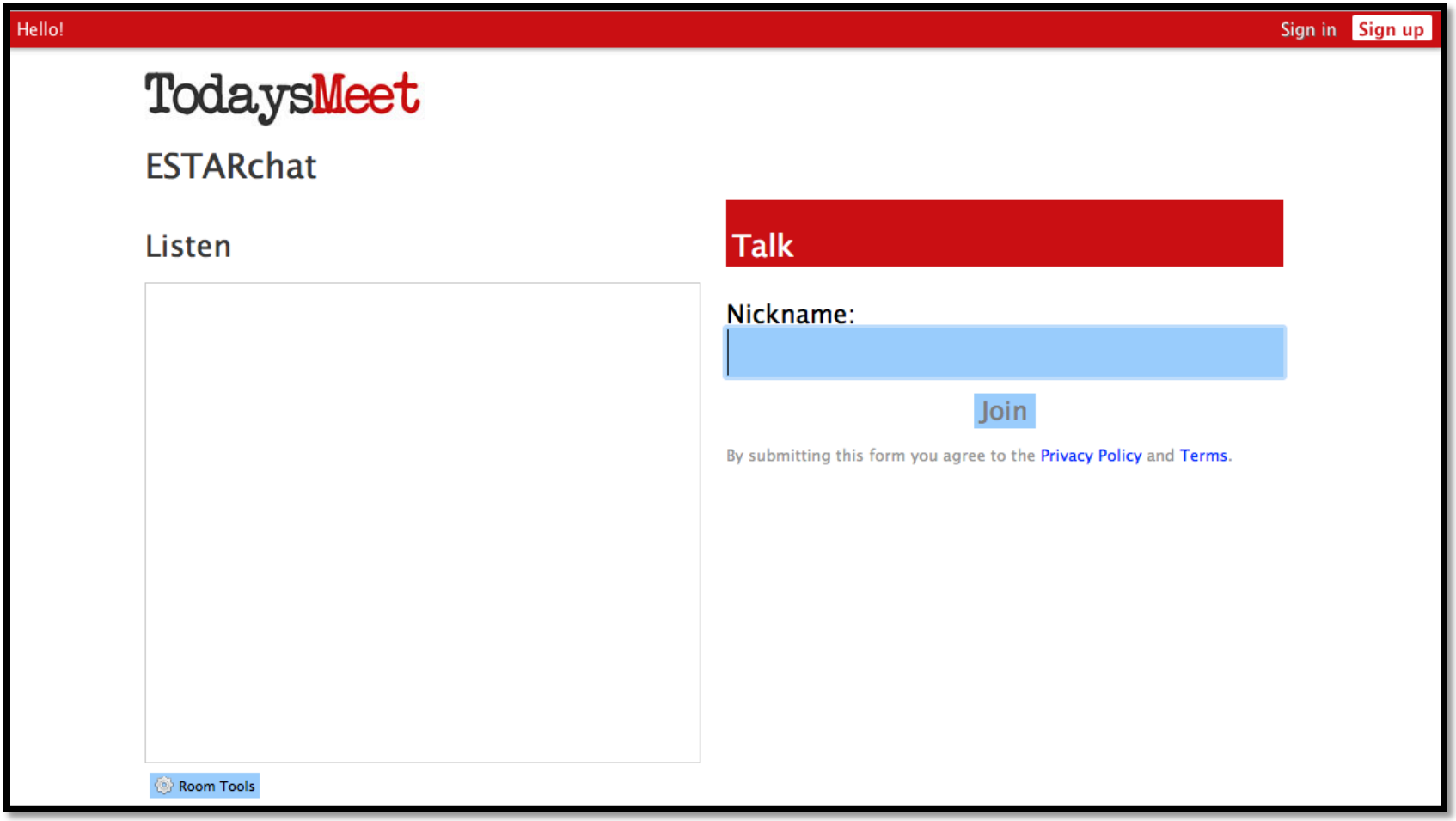
Group Observations



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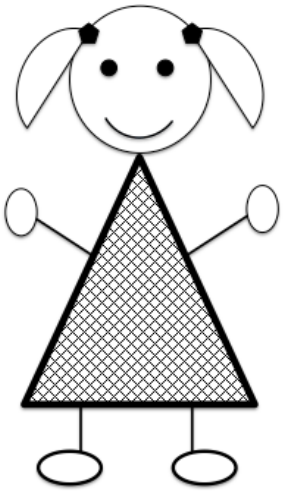
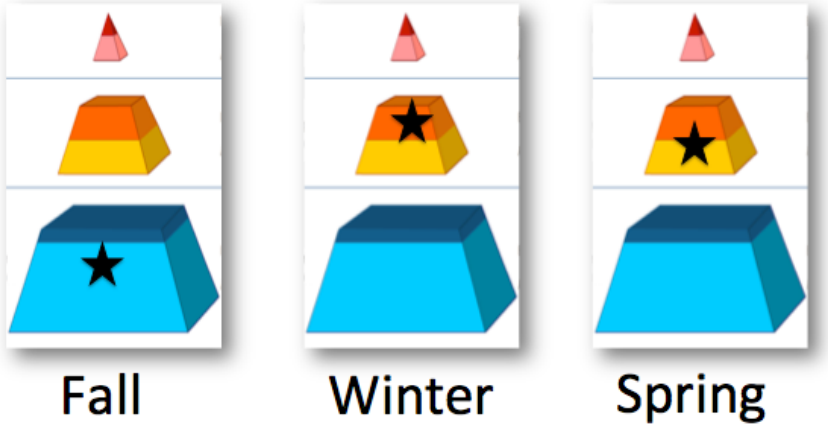
What do you think?





Use Today's Meet to join our discussion!

www.todaysmeet.com/MSTARchat

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Accessing the Reports

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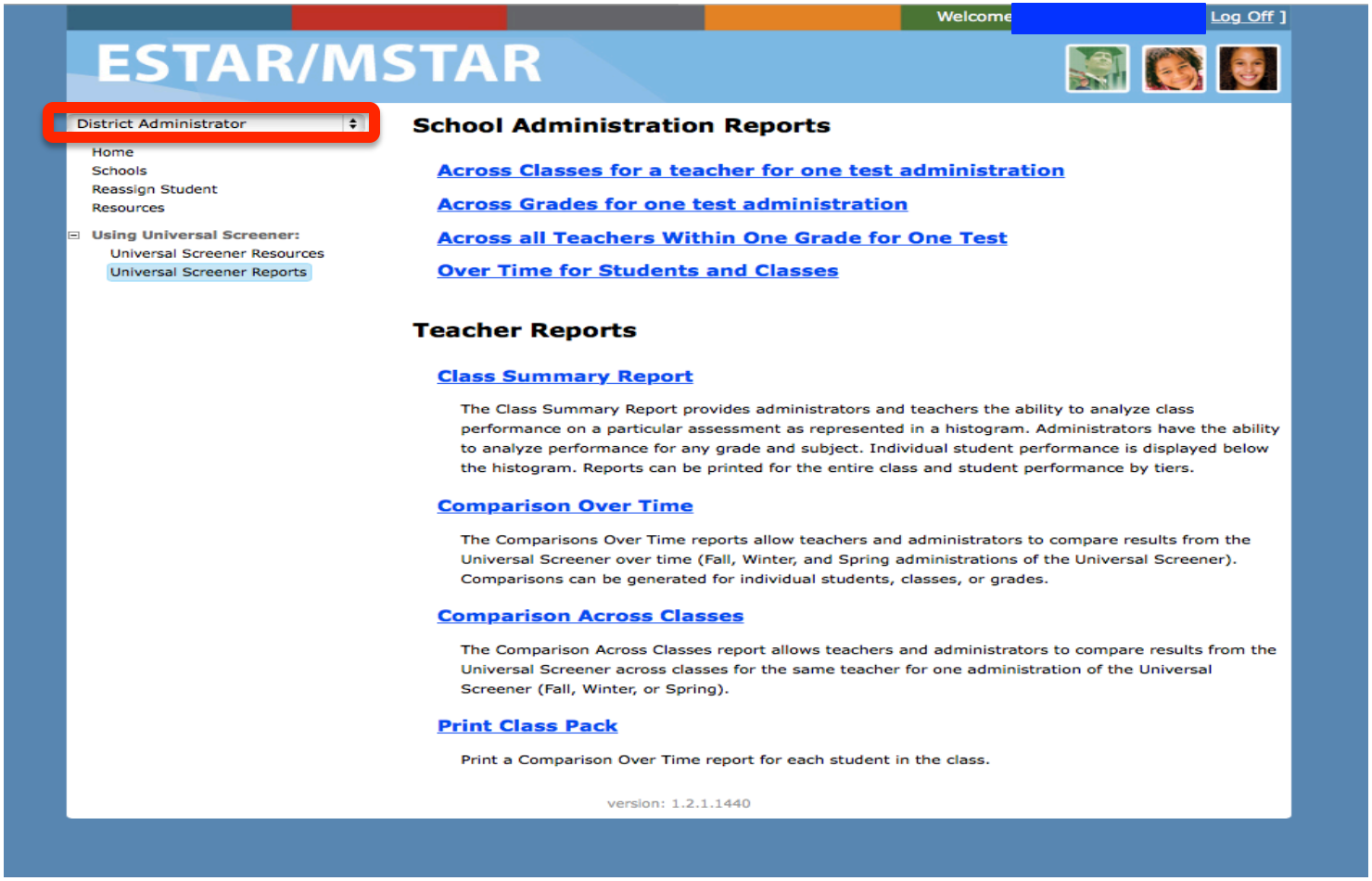
Accessing the Reports



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Interpreting Universal Screener Reports

Universal Screener Report Titles	Drop Down Menu Categories						
	Assessment Type	Classroom	School	Teacher (All)	Students	Season	School Year
Class Summary	T, A	T, A	A	A			
Comparison Over Time (1, 2, 3, 4)	T, A	T, A	A	A	T, A		
(Comparison) Over Time for Students and Classes (1, 5, 6)	A		A	A			
Comparison Across Classes (1,2)	T, A	T, A	A	A			
(Comparison) Across Classes for a Teacher for One Test Administration (1,2)	A		A	A			
(Comparison) Across Grades for One Test Administration (1,2)			A			A	A
(Comparison) Across All Teachers Within One Grade for One Test (1,2)	A		A				

T – Teacher

A – Administrator

1 - Box and Whisker
2 - Average
3 - Classroom Average

4 - Student Score
5 - Average Overall Scores
6 - Teacher Average

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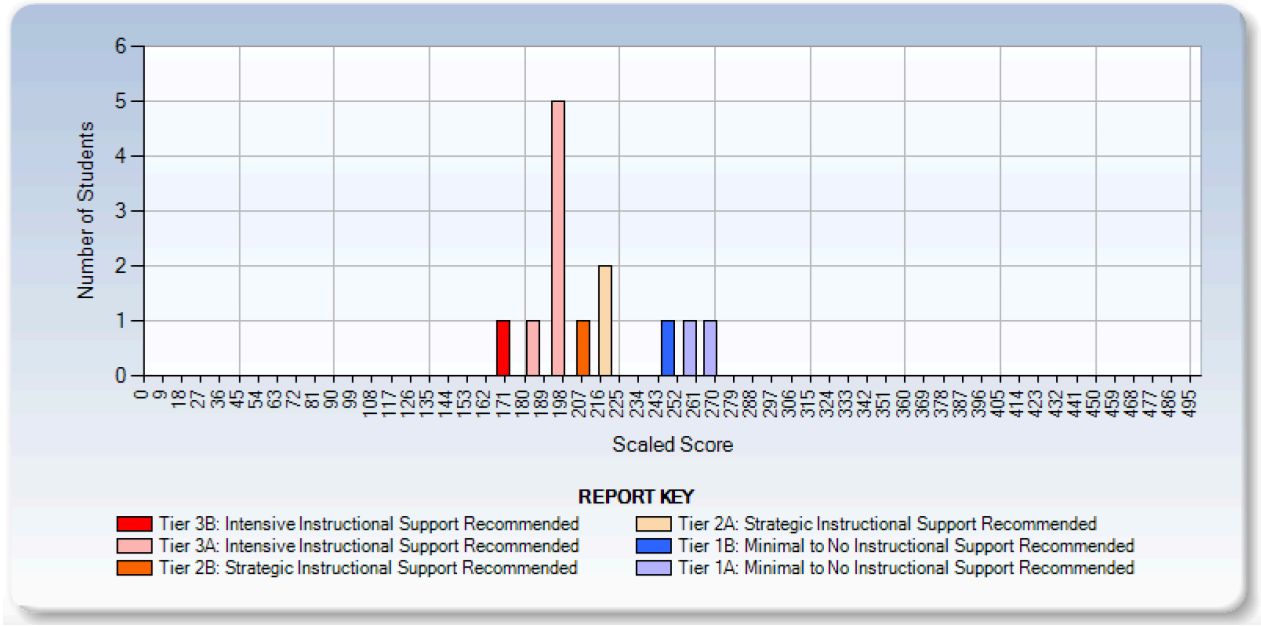
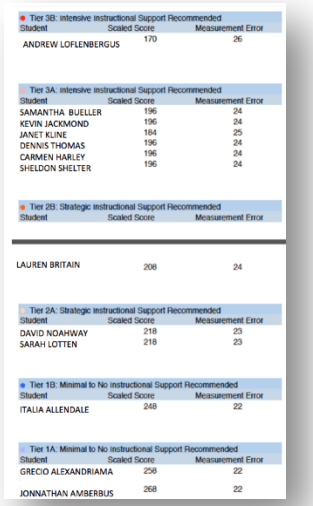
Class Summary Report

Fall | Winter | Spring





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Class Summary Report

Fall | Winter | Spring

Tier 3B: Intensive Instructional Support Recommended

Student	Scaled Score	Measurement Error
ANDREW LOFLENBERGUS	170	26

Tier 3A: Intensive Instructional Support Recommended

Student	Scaled Score	Measurement Error
SAMANTHA BUELLER	196	24
KEVIN JACKMOND	196	24
JANET KLINE	184	25
DENNIS THOMAS	196	24
CARMEN HARLEY	196	24
SHELDON SHELTER	196	24

Tier 2B: Strategic Instructional Support Recommended

Student	Scaled Score	Measurement Error
LAUREN BRITAIN	208	24

Tier 2A: Strategic Instructional Support Recommended

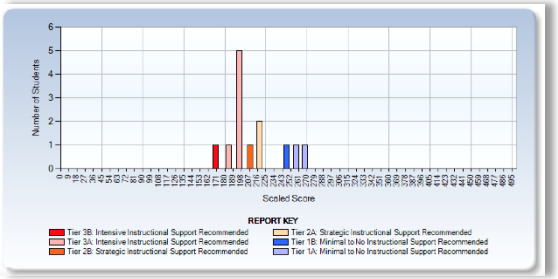
Student	Scaled Score	Measurement Error
DAVID NOAHWAY	218	23
SARAH LOTTEN	218	23

Tier 1B: Minimal to No Instructional Support Recommended

Student	Scaled Score	Measurement Error
ITALIA ALLENDALE	248	22

Tier 1A: Minimal to No Instructional Support Recommended

Student	Scaled Score	Measurement Error
GRECIO ALEXANDRIAMA	258	22
JONNATHAN AMBERBUS	268	22



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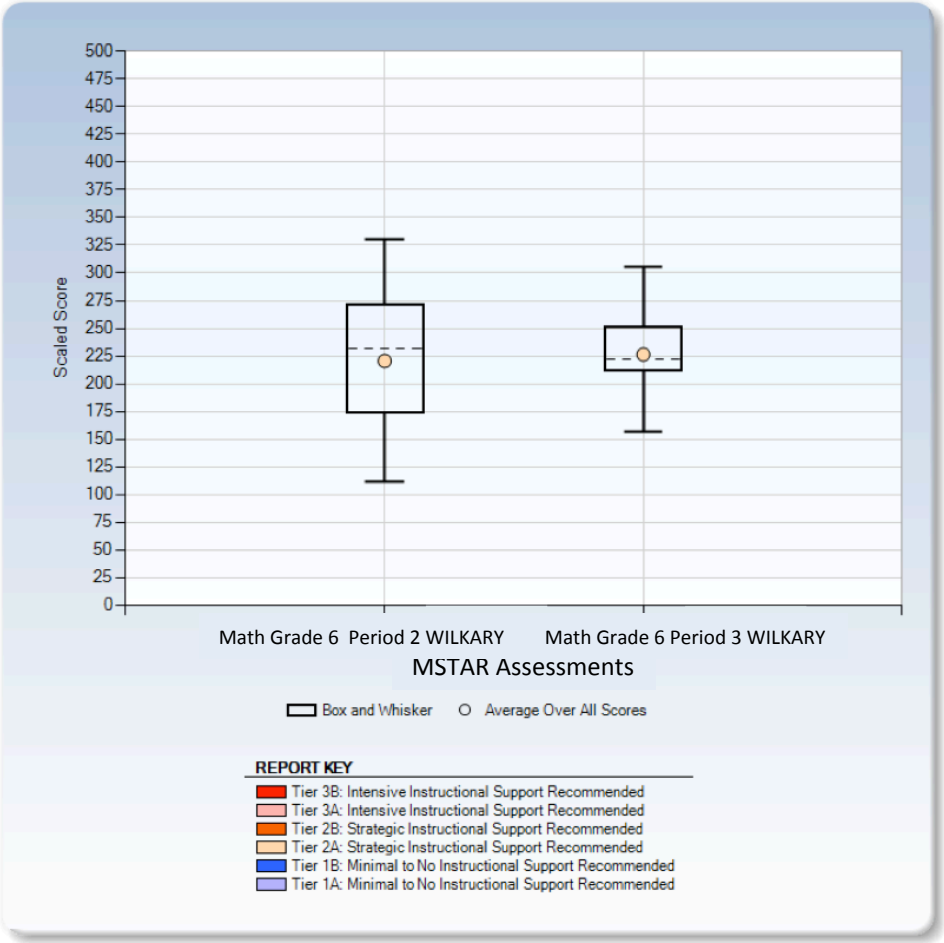
Comparison Across Classes Report

Fall | Winter | Spring



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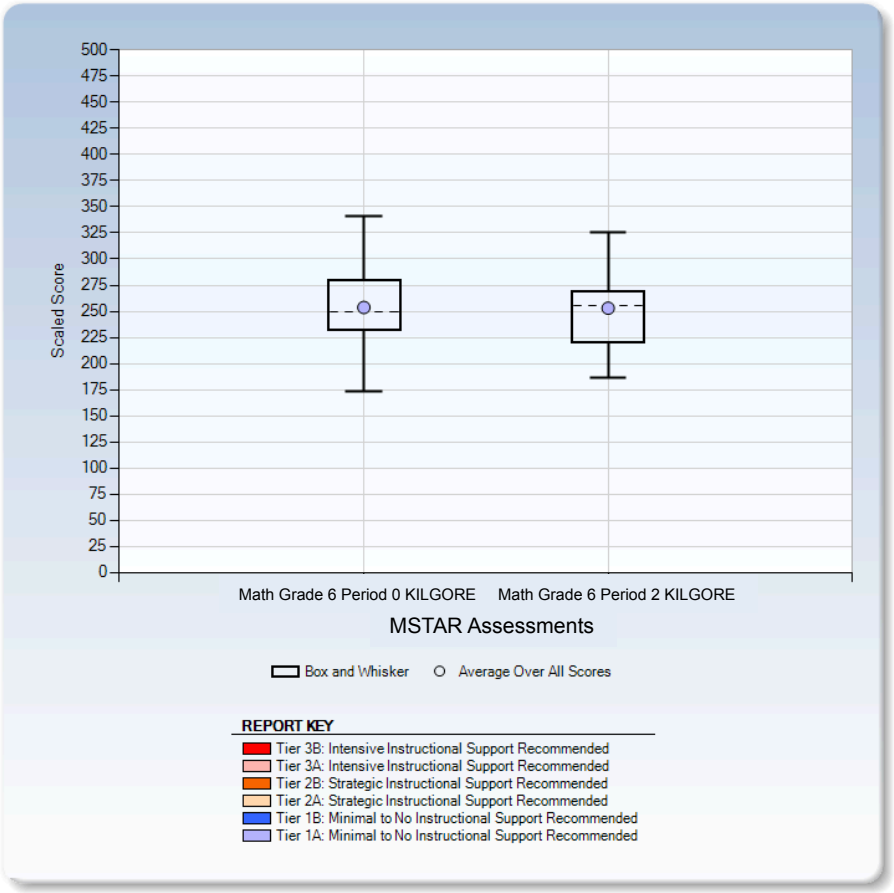
Administrator Reports

(Comparison) Across Classes for A Teacher for One Administration

Fall | Winter | Spring



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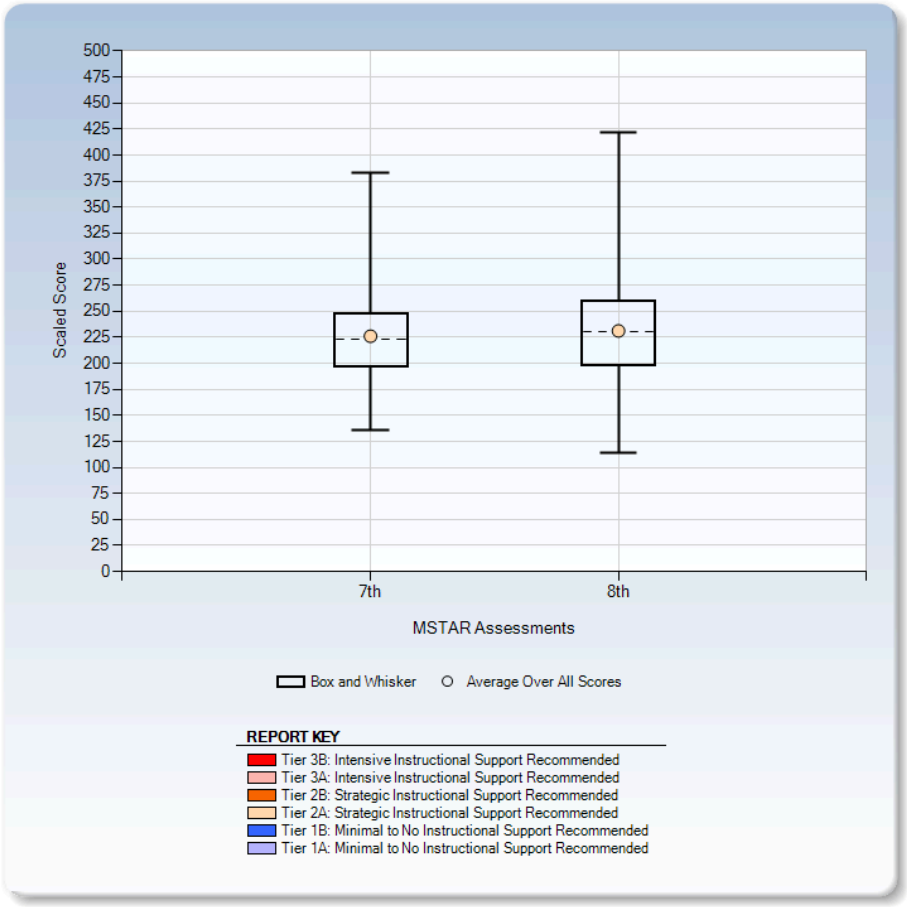
Administrator Reports

(Comparison) Across Grades for One Administration

Fall | Winter | Spring



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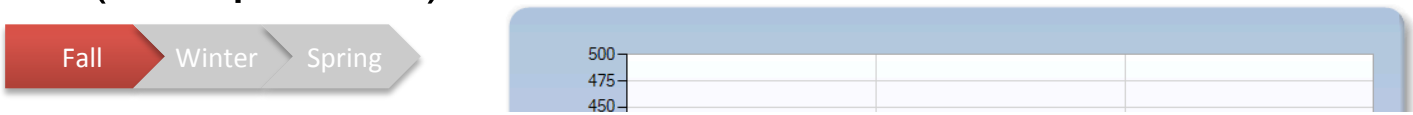
Administrator Reports

(Comparison) Across All Teachers Within One Grade for One Test



Universal Screener Report Titles	Drop Down Menu Categories						
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Class Summary	T, A	T, A	A	A			
Comparison Over Time (1, 2, 3, 4)	T, A	T, A	A	A	T, A		
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(Comparison) Across Grades for One Test Administration (1,2)			A			A	A
(Comparison) Across All Teachers Within One Grade for One Test (1,2)	A		A				

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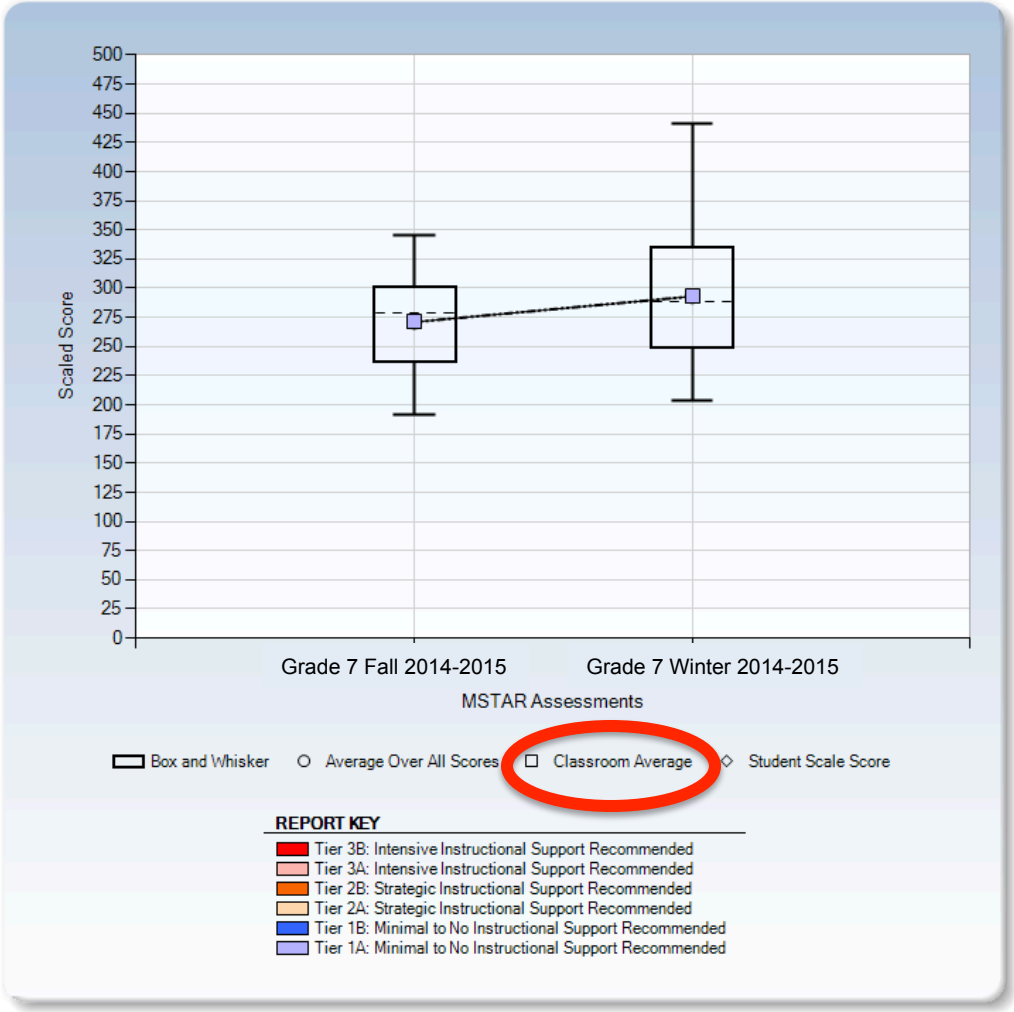
Comparison Over Time Report

Fall | Winter | Spring



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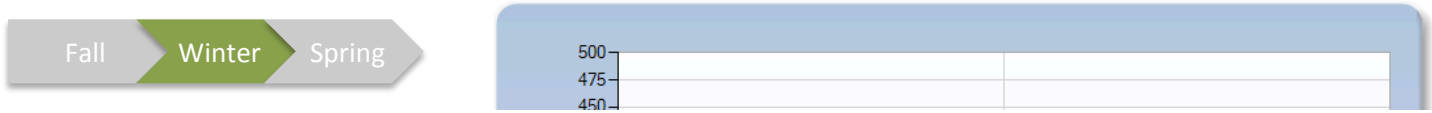
Administrator Reports

(Comparison) Over Time for Students and Classes



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Comparison Over Time (1, 2, 3, 4)	T, A	T, A	A	A	T, A		
(Comparison) Over Time for Students and Classes (1, 5, 6)	A		A	A			
Comparison Across Classes (1,2)	T, A	Grade 7 Fall 2014-2015		A			
(Comparison) Across Classes for a Teacher for One Test Administration (1,2)	A		A	A			
(Comparison) Across Grades for One Test Administration (1,2)			A			A	A
(Comparison) Across All Teachers Within One Grade for One Test (1,2)	A		A				

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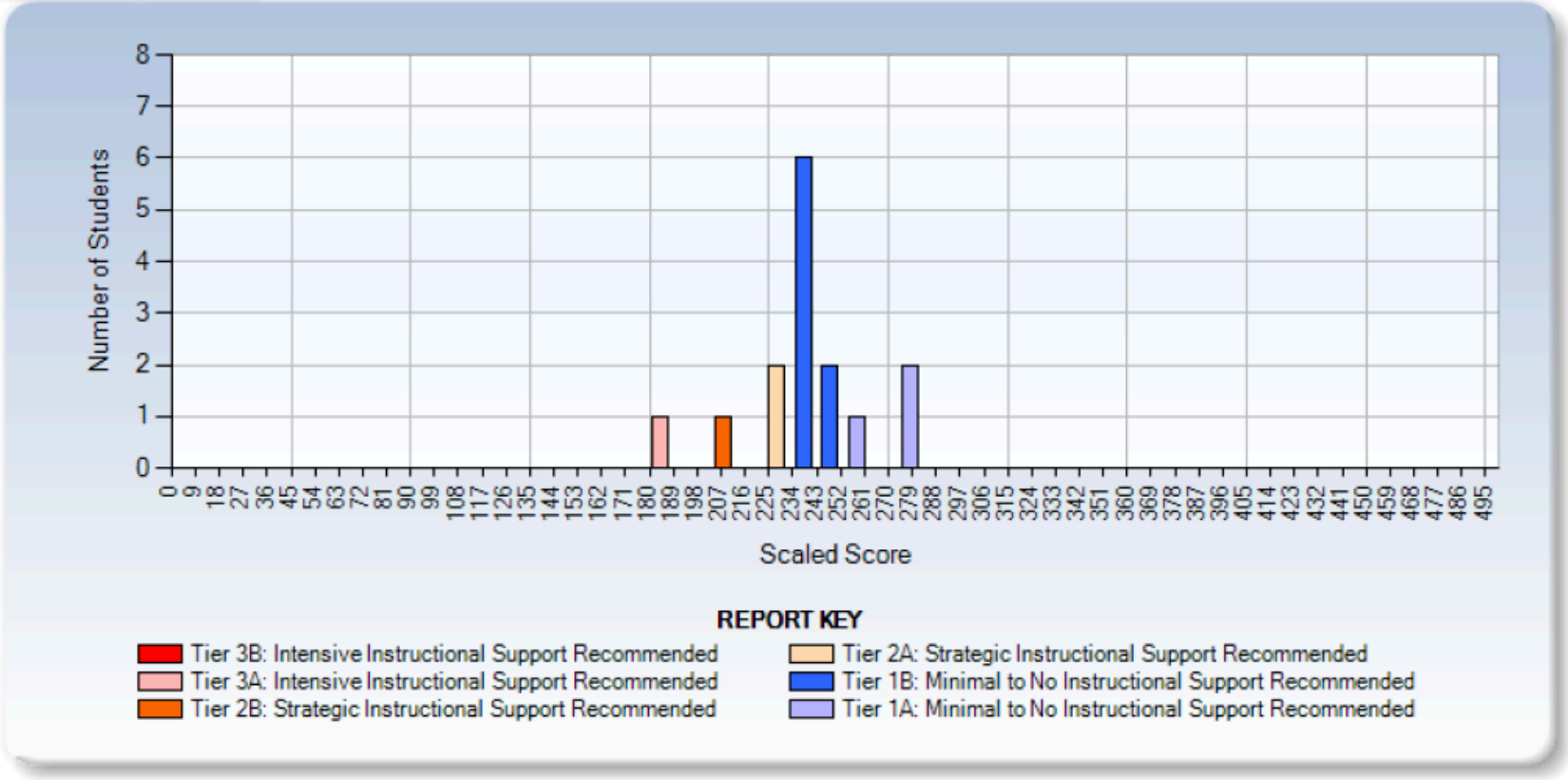
Now It's Your Turn

Fall | Winter | Spring

Classroom Summary Report



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Now It's Your Turn

Classroom Summary Report

Fall | Winter | Spring

Tier 3A: Intensive Instructional Support Recommended

Student	Scaled Score	Measurement Error
ELIZABETH BANKFORD	184	26

Tier 2B: Strategic Instructional Support Recommended

Student	Scaled Score	Measurement Error
SERRANO MODELONO	208	24

Tier 2A: Strategic Instructional Support Recommended

Student	Scaled Score	Measurement Error
ARECA ADDELINEYA	228	22
DEONE JORDANIAO	228	22

Tier 1B: Minimal to No Instructional Support Recommended

Student	Scaled Score	Measurement Error
LEIFER BRIANNON	238	22
PRESTON DAVIDSON	238	22
KIARA COLLANDERSON	248	22
BRIA ANDERSONIA	238	22
ELLIOT ABLERSTONE	238	22
LONIESHA APPLETOWN	248	22
MICHAEL BROOMHOUSTON	238	22
KELVIN HALLEXSON	238	22

Tier 1A: Minimal to No Instructional Support Recommended

Student	Scaled Score	Measurement Error
JONETTA ALDRONIA	278	23
THOMAS VILLANUEVA	258	22
WHITNEY DAKOTA	278	23

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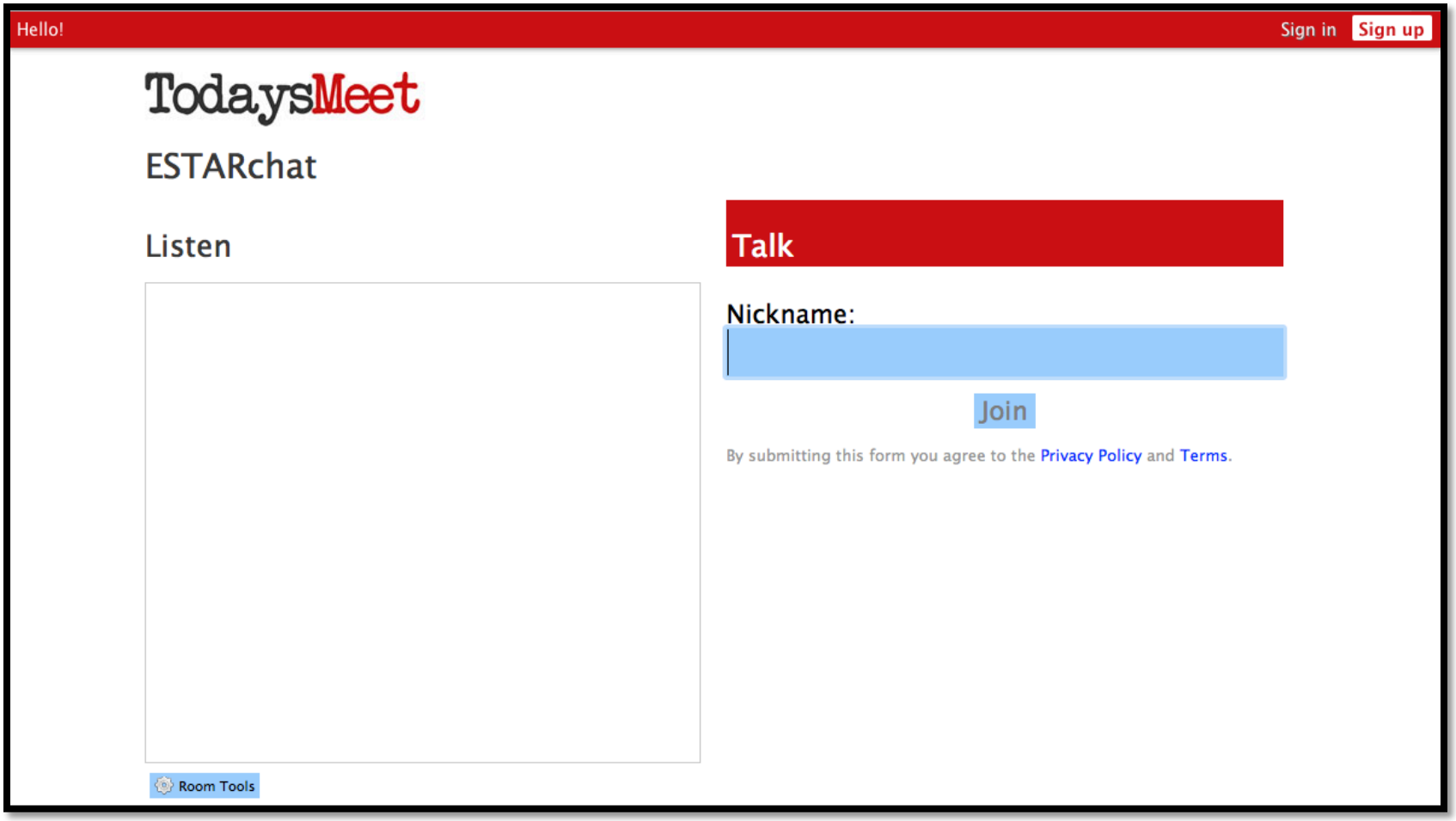
Group Observations



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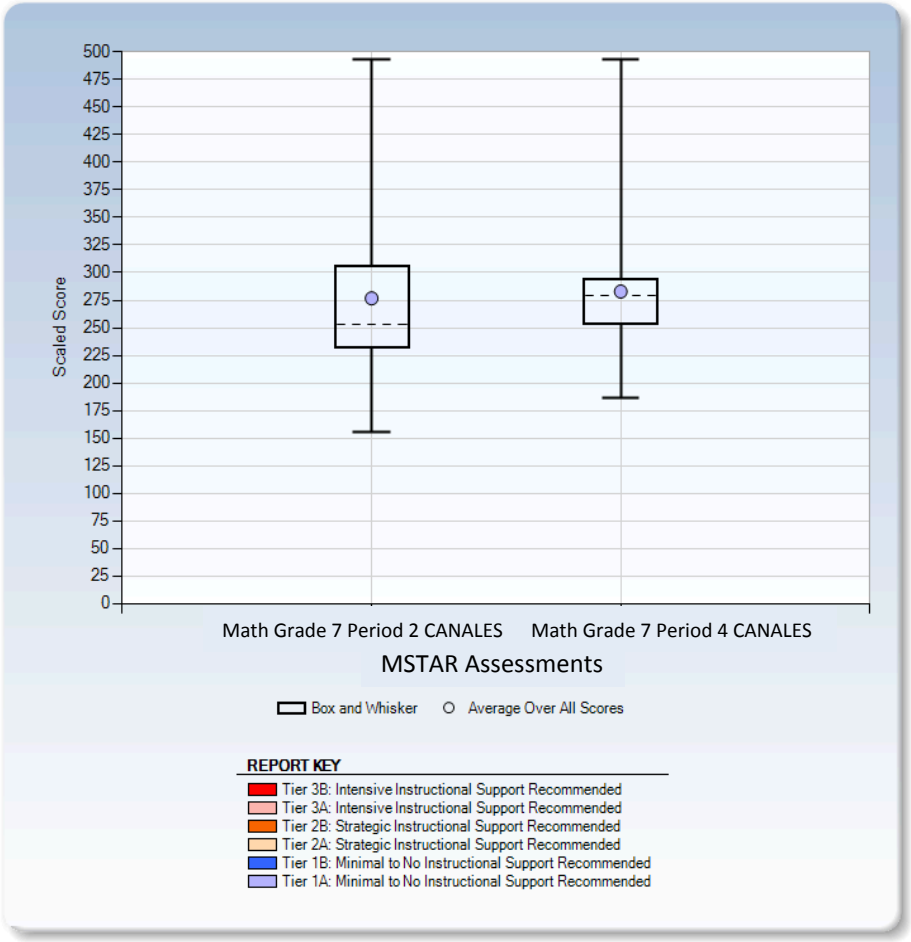
Now It's Your Turn

Comparison Across Classes Report

Fall | Winter | Spring



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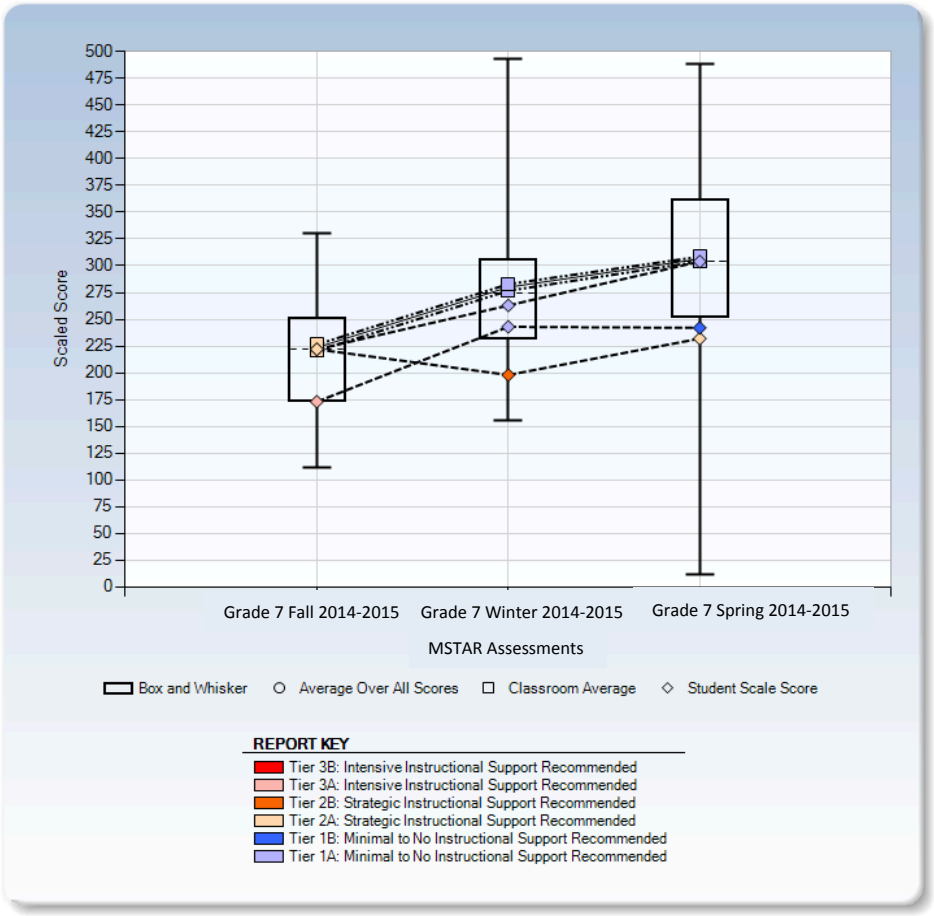
Now It's Your Turn

Fall | Winter | Spring

Comparison Over Time Report



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ESTAR/MSTAR Professional Development

ESTAR/MSTAR Assessments

- ESTAR/MSTAR Universal Screeners
- ESTAR/MSTAR Diagnostic Assessments
- ESTAR/MSTAR Learning Progressions

In Revision

In Revision

Tier 1 Instruction

- ESTAR Academies
- MSTAR Academies

Tier 2 Instruction

- Coming Soon ESTAR Implementation Tools
- Coming Soon MSTAR Implementation Tools

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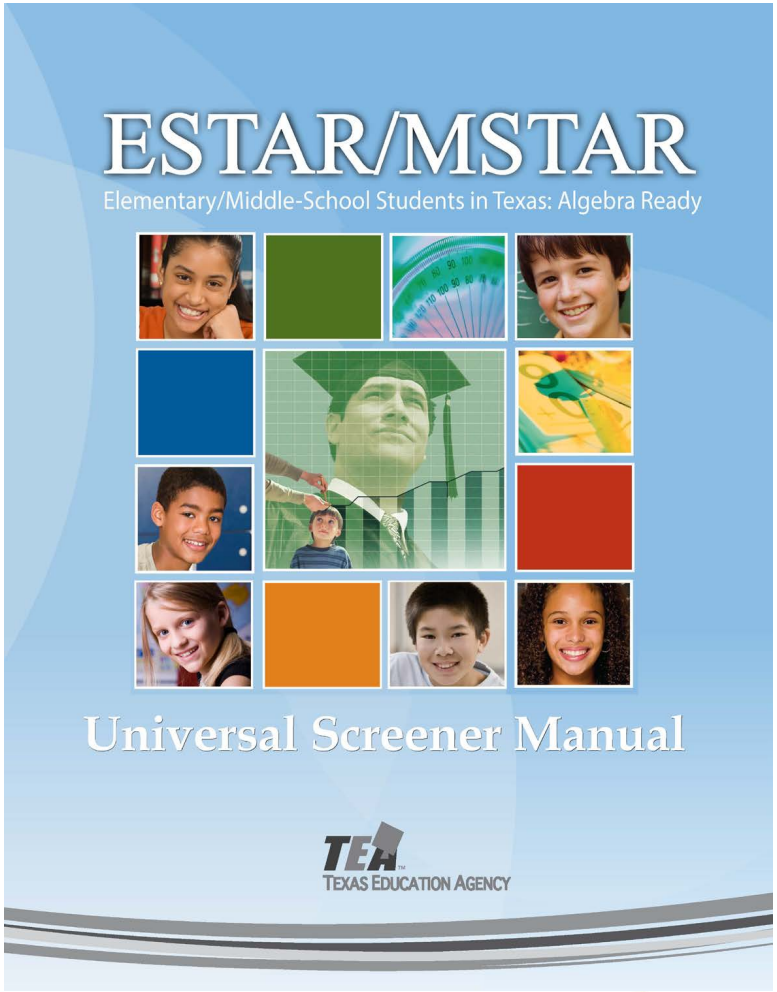
Administration Guidelines

ESTAR / MSTAR Teacher

- Accessing the system
- Assign students an assessment
- Access the reports
- Additional guidelines for administration

ESTAR/MSTAR Student

- Accessing the system



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Accessing the ESTAR/MSTAR System

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mathtx@esc13.net

1-855-462-8489

http://tea.texas.gov/Curriculum_and_Instructional_Programs/Subject_Areas/Mathematics/Mathematics/

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Additional Sessions

ESTAR Universal Screener	**Thursday 10:00**	**382AB**
MSTAR Diagnostic Assessment	**Friday 8:30**	**381BC**
ESTAR Diagnostic Assessment	**Friday 10:00**	**381BC**
RtI Guidance App & Website	**Friday 1:00**	**381BC**
Assessment Item Development	**Thursday 1:00 Friday 8:30**	**350DE**

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Research in Mathematics Education

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