



Empowering Districts through Technology

Investments and Directions

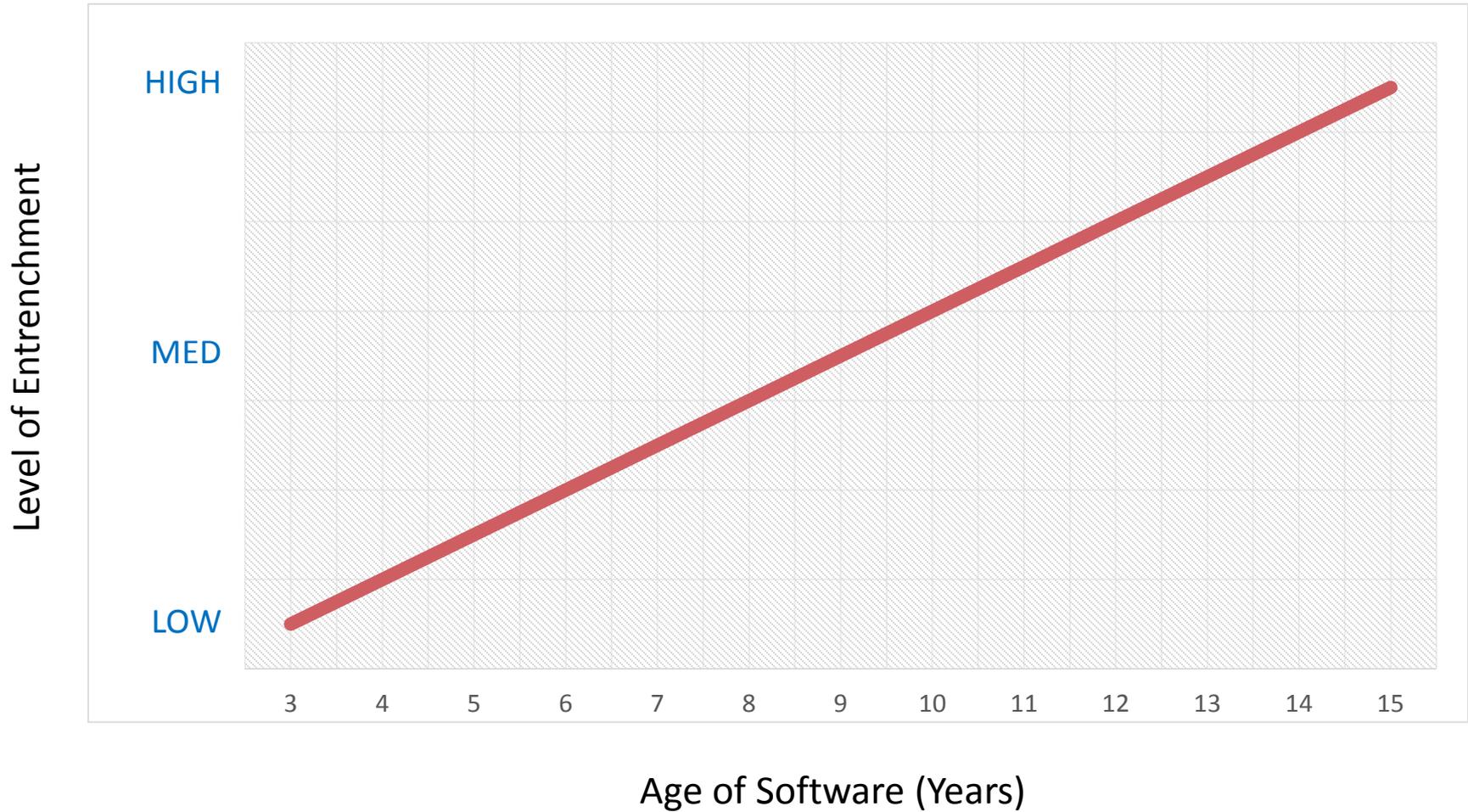


Technology Trends and Observations

Superintendents Study Council
9/14/2015, Gatlinburg, TN



Aging State Software Applications



Increasing Emphasis on Technology in Schools



- Online Assessment Readiness
- Blended Learning
- Shorter Laptop Renewal Cycles
- Better Wireless Coverage
- More Smart Boards
- Any time, Any place Learning
- More...

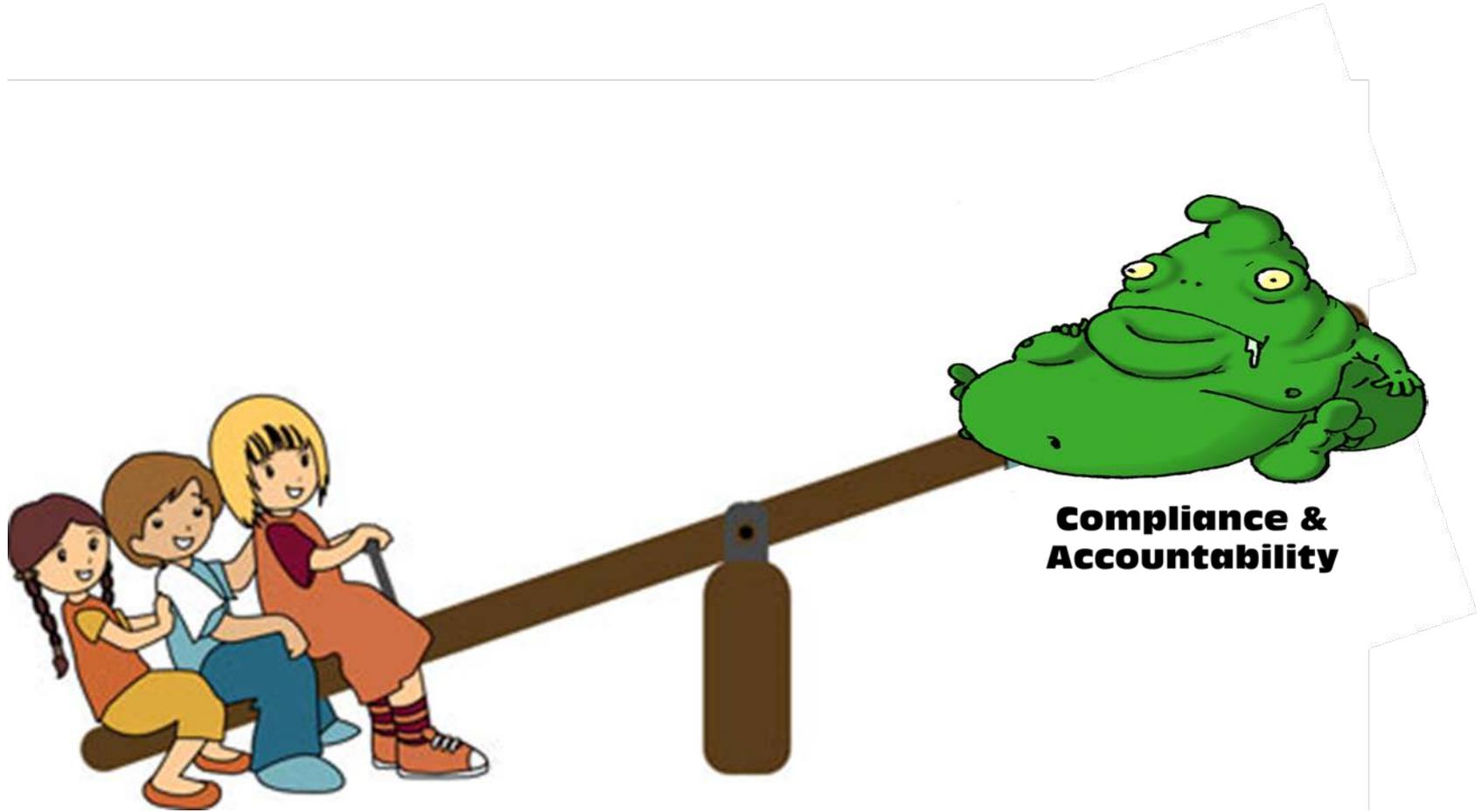
Limited Focus on Technology in Learning



Compliance & Accountability



Limited Focus on Technology in Learning



Low Expectations of Technology Innovation





Technology Priorities and Considerations

Superintendents Study Council
9/14/2015, Gatlinburg, TN



Technology Priorities



Significantly **simplify** business processes, state reporting and other electronic interactions with the state



Shift technology investments increasingly from compliance to **district empowerment**



Place greater emphasis on **innovation** and supporting **teaching and learning** through technology



Help districts focus more on their core business by finding **solutions** to hard technical problems for all districts

Technology Priorities



Drive down the cost of technology with cloud computing, creative vendor management and smart shared services



Provide **more support** and resources for Tech Directors as we push the boundaries of devices and connectivity



Partner more effectively with districts around **strategic** technology initiatives



Bet big and **dream large** as we envision the transformative role technology should play in Tennessee



School Year 15/16 State Technology Investments



Superintendents Study Council
9/14/2015, Gatlinburg, TN

Integrated SIS Vendors

- Licensing cost control
- Hosting cost control
- Portability between vendors
- Reduced ancillary costs
- Scale “elasticity”



Educator Dashboards

- 360° views of student data in real time
- Longitudinal views over time
- Analytical views, rollups and drill down
- Tailored to the needs of different roles



Superintendent Landing Page



TENNESSEE DEPARTMENT OF
EDUCATION

EXPORT ALL PRINT SUPPORT LOG OUT

County



County

County

District Information
Academic Dashboard
Goal Planning

Overview
Attendance and Discipline
State Assessments
Grades and Credits

| METRIC CATEGORY | PERFORMANCE SUMMARY | METRIC STATUS |
|--|--|---|
| <p>Attendance and Discipline Students' attendance and discipline patterns</p> | | |
| <ul style="list-style-type: none"> ■ Attendance Daily and class period attendance ■ Discipline Discipline incidents and actions | <p>7 of 10 metrics met goal</p> <p>0 of 4 metrics met goal</p> |  |
| <p>State Assessments State examinations and assessments</p> | | |
| <ul style="list-style-type: none"> ■ State Standardized Assessments Performance and progress on state standardized tests | | |
| <p>Grades and Credits Students' progression in coursework</p> | | |
| <ul style="list-style-type: none"> ■ Course Grades: Secondary Performance and progress in coursework ■ Course Grades: Primary Performance and progress in subject areas ■ Credits Student progress toward graduation | <p>7 of 8 metrics met goal</p> <p>4 metrics met goal</p> |  |

G Gifted & Talented
S Special Education
504 504 Designation
L ESL, LEP or Bilingual
E Late Enrollment
P Partial Transcript
A Test Accommodation

District Overview – top half

The screenshot shows the top half of a web application interface for the Tennessee Department of Education. At the top left is the logo with the text "TENNESSEE DEPARTMENT OF EDUCATION". To the right are buttons for "EXPORT ALL", "PRINT", "SUPPORT", and "LOG OUT". Below the header is a navigation bar with a home icon, a breadcrumb "County", and a search box labeled "Search". The main content area has a large "County" heading and a navigation menu with three tabs: "District Information", "Academic Dashboard", and "Goal Planning". Under "District Information", there are sub-tabs: "District Information", "School List", "Students by Level", "Students by Demographic", and "My Student Lists". On the left side, there is a blue icon of a school building. The main content area contains a "County" heading, an "Administration" section with "Superintendent Bill Heath", and a "District Characteristics" section with a table of data.

| District Characteristics | |
|--------------------------|-------------|
| District Enrollment | 6,760 |
| Number of Schools | |
| High School | <u>3</u> |
| Middle School | <u>1</u> |
| Elementary School | <u>8</u> |
| Late Enrollment Students | <u>5.7%</u> |

District Overview – bottom half

Student Demographics

Gender

| | |
|--------|-------|
| Female | 48.2% |
| Male | 51.8% |

Ethnicity

| | |
|-----------------|------|
| Hispanic/Latino | 2.5% |
|-----------------|------|

Race

| | |
|----------------------------------|-------|
| American Indian - Alaskan Native | 0.2% |
| Asian | 0.4% |
| Black - African American | 2.4% |
| White | 93.7% |
| Two or More | 0.8% |

Students by Program

| | |
|--------------------------------|--------|
| 504 Designation | 0.0% |
| Bilingual Program | 0.0% |
| Career and Technical Education | 0.0% |
| English as Second Language | 0.0% |
| Gifted/Talented | 0.0% |
| Special Education | 0.0% |
| Title I Participation | 102.5% |

Other Student Information

| | |
|---|-------|
| At Risk | 0.0% |
| Economically Disadvantaged | 19.8% |
| Homeless | 0.6% |
| Immigrant | 0.0% |
| Limited English Proficiency | 0.5% |
| Limited English Proficiency Monitored 1 | 0.1% |
| Limited English Proficiency Monitored 2 | 0.2% |
| Migrant | 0.0% |
| Over Age | 19.0% |

| | | | | | | |
|----------------------------|----------------------------|----------------------------|--------------------------------|--------------------------|-----------------------------|-----------------------------|
| G Gifted & Talented | S Special Education | 504 504 Designation | L ESL, LEP or Bilingual | E Late Enrollment | P Partial Transcript | A Test Accommodation |
| Met Goal | Below Goal | Getting Better | Getting Worse | No Change | | |

District Goal Planning

| District Information | Academic Dashboard | | Goal Planning | | |
|--|---------------------------------|--|----------------------|-------------------------------------|---------------------------------------|
| Attendance and Discipline | State Assessments | | Grades and Credits | | |
| Goal Planning - Attendance and Discipline <input type="button" value="PUBLISH ALL GOALS"/> <input type="button" value="PUBLISH DISTRICT GOALS"/> | | | | | |
| Jump to subcategory: Attendance Discipline | | | | | |
| ATTENDANCE | METRIC VALUE (% of students) | CURRENT DISTRICT GOAL (% of students) | DIFFERENCE FROM GOAL | NEW DISTRICT GOAL | SCHOOL GOALS |
| Average Daily Attendance (Through May 28, 2015) * Average daily attendance for all students with membership in the district (unweighted) | | | | | |
| ■ Last Four Weeks | 96.3 % | 90.0 % | 6.3 % | <input type="text" value="0.9000"/> | <input type="button" value="More ▼"/> |
| ■ Year to Date | 97.5 % | 90.0 % | 7.5 % | <input type="text" value="0.9000"/> | <input type="button" value="More ▼"/> |
| Daily Attendance Rate (Through May 28, 2015) * % of students meeting attendance rate threshold during the specified time frame | | | | | |
| ■ Last Four Weeks | 92.6 % | 95.0 % | -2.4 % | <input type="text" value="0.9500"/> | <input type="button" value="More ▼"/> |
| ■ Year to Date | 98.0 % | 95.0 % | 3.0 % | <input type="text" value="0.9500"/> | <input type="button" value="More ▼"/> |
| Class Period Absence Rate (Through May 28, 2015) * % of students exceeding class period absence rate threshold of 10% during the specified timeframe | | | | | |
| ■ Last Four Weeks | 0.3 % | 10.0 % | 9.7 % | <input type="text" value="0.1000"/> | <input type="button" value="More ▼"/> |
| ■ Year to Date | 0.0 % | 10.0 % | 10.0 % | <input type="text" value="0.1000"/> | <input type="button" value="More ▼"/> |
| Tardy Rate (Through May 21, 2015) * % students exceeding tardy rate threshold of 10% during specified time frame | | | | | |
| ■ Last Four Weeks | 0.0 % | 10.0 % | 10.0 % | <input type="text" value="0.1000"/> | <input type="button" value="More ▼"/> |
| ■ Year to Date | 0.0 % | 10.0 % | 10.0 % | <input type="text" value="0.1000"/> | <input type="button" value="More ▼"/> |
| Days Absent (Through May 28, 2015) % of students with 8 or more absences year to date | | | | | |
| ■ Days Absent | 27.8 % | 10.0 % | -17.8 % | <input type="text" value="0.1000"/> | <input type="button" value="More ▼"/> |
| ■ Unexcused Days Absent | 27.8 % | 10.0 % | -17.8 % | <input type="text" value="0.1000"/> | <input type="button" value="More ▼"/> |

District Attendance Metrics



TENNESSEE DEPARTMENT OF
EDUCATION

EXPORT ALL PRINT SUPPORT LOG OUT

County



No Image

County

District Information

Academic Dashboard

Goal Planning

Overview

Attendance and Discipline

State Assessments

Grades and Credits

| METRIC CATEGORY | PERFORMANCE SUMMARY | METRIC STATUS |
|--|---------------------|---------------|
| <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>Attendance and Discipline Students' attendance and discipline patterns</p> <ul style="list-style-type: none"> ■ Attendance Daily and class period attendance ■ Discipline Discipline incidents and actions </div> <div style="width: 35%; text-align: center;"> <p>7 of 10 metrics met goal</p>  </div> </div> | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>State Assessments State examinations and assessments</p> <ul style="list-style-type: none"> ■ State Standardized Assessments Performance and progress on state standardized tests </div> <div style="width: 35%; text-align: center;"> <p>0 of 4 metrics met goal</p> </div> </div> | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>Grades and Credits Students' progression in coursework</p> <ul style="list-style-type: none"> ■ Course Grades: Secondary Performance and progress in coursework ■ Course Grades: Primary Performance and progress in subject areas ■ Credits Student progress toward graduation </div> <div style="width: 35%; text-align: center;"> <p>7 of 8 metrics met goal</p>  <p>4 metrics met goal</p>  </div> </div> | | |

Days Absent
% of students with 8 or more absences year to date

Days Absent 27.8 % 1 of 12

G Gifted & Talented

S Special Education

504 504 Designation

L ESL, LEP or Bilingual

E Late Enrollment

P Partial Transcript

A Test Accommodation

School Listing Contributing to Metric

Days Absent (Through May 28, 2015)

% of students with 8 or more absences year to date

Days Absent
27.8 %
10.0 %
-17.8 %
1 of 12
More ▾

Days Absent - School List ↻

↓ CUSTOMIZE VIEW

| SCHOOL ^ | PRINCIPAL | TYPE | SCHOOL METRIC VALUE | SCHOOL GOAL |
|-------------------------------|---------------------|-------------------|---------------------|-------------|
| Elementary | Rochelle, David | Elementary School | 30.7 % | 10.0 % |
| Middle School | Cope, Sarah | Middle School | 25.3 % | 10.0 % |
| Elementary | Rogers, Josh | Elementary School | 25.2 % | 10.0 % |
| Elementary | Kersey, Clayburn | Elementary School | 30.9 % | 10.0 % |
| High School | Adkins, Michael | High School | 43.6 % | 10.0 % |
| Public | Alexander, Janet | Elementary School | 27.8 % | 10.0 % |
| Elementary | Burns, Kathy | Elementary School | 20.0 % | 10.0 % |
| High School | Littleton, Jennifer | High School | 39.9 % | 10.0 % |
| Elementary | Jones, Anisha | Elementary School | 8.3 % | 10.0 % |

|< < Page 1 of 1 > >|

Rows per page: 10 20 50 100

Total rows: 12

Analysis by Grade Level

Days Absent (Through May 21, 2015)

% of students with 8 or more absences year to date

| | | | | |
|------------------------|--------|--------|---------|------------|
| Days Absent | 30.7 % | 10.0 % | -20.7 % | 158 of 515 |
| Prior Year Days Absent | | | | |
| Unexcused Days Absent | 30.7 % | 10.0 % | -20.7 % | 158 of 515 |

More ▾

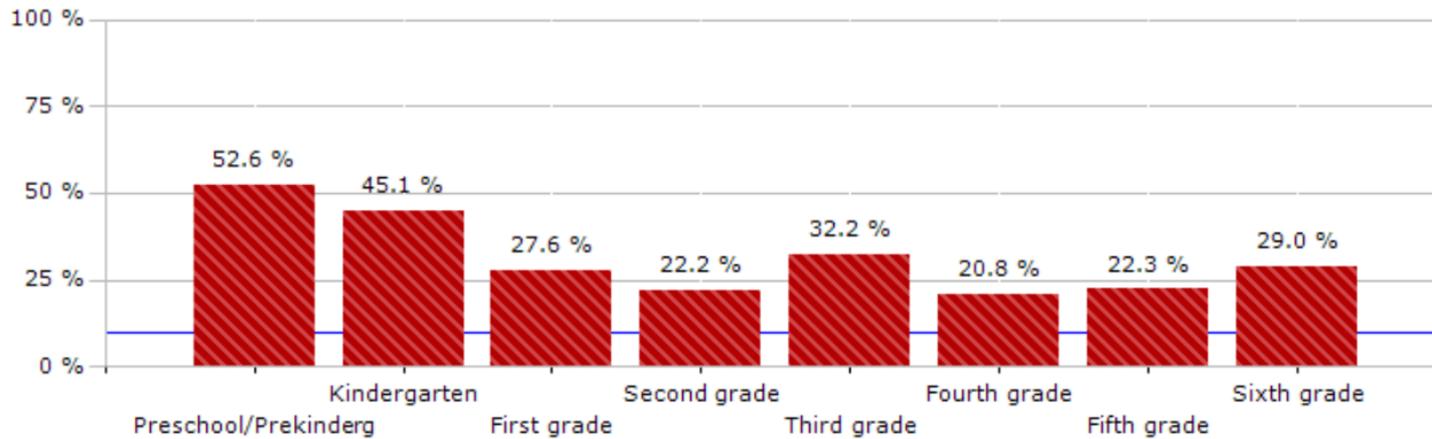
Grade Level Chart

Student List

Unexcused Days Absent - Grade Level Chart ↻

✕

School Goal: 10.0 %



District Grades and Credits



TENNESSEE DEPARTMENT OF

EDUCATION

EXPORT ALL
PRINT
SUPPORT
LOG OUT

County



No Image

County

District Information

Overview

Academic Dashboard

Attendance and Discipline

State Assessments

Goal Planning

Grades and Credits

Grades and Credits

Jump to subcategory: [Course Grades: Secondary](#) | [Course Grades: Primary](#) | [Credits](#) HIDE PRIOR YEAR

| COURSE GRADES: SECONDARY | METRIC VALUE <small>(% of students)</small> | TREND | DISTRICT GOAL <small>(% of students)</small> | DIFFERENCE FROM GOAL | SCHOOL ATTAINMENT <small>(# meeting school goal)</small> | DETAILS |
|---|--|-------|---|----------------------|---|----------------------|
| Grades Below C Level (Through End of Year 2014-2015) <small>% of students with 2 or more grades below C in the core subject areas</small> | 3.5 % | | 30.0 % | 26.5 % | 12 of 12 | More |
| → Prior Year Grades Below C Level | | | | | | |
| Falling Class Grades (Through Fourth Nine Weeks 2014-2015) * <small>% of students with core subject course grades dropping 10% or more from prior grading period</small> | | | | | | |
| <ul style="list-style-type: none"> <li style="margin-bottom: 5px;">■ ELA / Reading <li style="margin-bottom: 5px;">■ Mathematics <li style="margin-bottom: 5px;">■ Science <li style="margin-bottom: 5px;">■ Social Studies | 2.7 % | | 15.0 % | 12.3 % | 4 of 4 | More |
| | 2.4 % | | 15.0 % | 12.6 % | 4 of 4 | More |
| | 3.2 % | | 15.0 % | 11.8 % | 4 of 4 | More |
| | 1.9 % | | 15.0 % | 13.1 % | 4 of 4 | More |
| Algebra I - 9th (Through Fourth Nine Weeks 2014-2015) <small>% of students who are taking/have taken course; % of students who are passing/have passed course</small> | | | | | | |
| <ul style="list-style-type: none"> <li style="margin-bottom: 5px;">■ Taking or have Taken <li style="margin-bottom: 5px;">■ Passing or have Passed by 9th grade | 98.5 % | | 75.0 % | 23.5 % | 3 of 3 | More |
| | 96.1 % | | 75.0 % | 21.1 % | 3 of 3 | More |



Schools Contributing to Grades Metric

Algebra I - 9th (Through Fourth Nine Weeks 2014-2015)

% of students who are taking/have taken course; % of students who are passing/have passed course

■ Taking or have Taken 98.5 % 75.0 % 23.5 % 3 of 3

More ▾

Algebra I - Taking or Have Taken - School List ↕

☰ School List

↓ CUSTOMIZE VIEW

| SCHOOL ^ | PRINCIPAL | TYPE | SCHOOL METRIC VALUE | SCHOOL GOAL |
|---|---------------------|-------------|---------------------|-------------|
| Lawrence Co High School | Adkins, Michael | High School | 97.6 % | 75.0 % |
| Loretto High School | Littleton, Jennifer | High School | 100.0 % | 75.0 % |
| Summertown High School | Long, William | High School | 99.0 % | 75.0 % |

|< < Page 1 of 1 > >|

Rows per page: 10 20 50 100

Total rows: 3

■ Passing or have Passed by 9th grade

96.1 %

75.0 %

21.1 %

3 of 3

More ▾

Teacher Classroom Roster



EDUCATION

EXPORT ALL
PRINT
SUPPORT
LOG OUT

County
Elementary

Search



[Redacted]

Back to list
1 of 38

Student List:

English Language Arts(0301.001) - Language Arts (09) Year Round

Data View:

General Overview

[CUSTOMIZE VIEW](#)

| STUDENT ^ | GRADE LEVEL | DESIGNATIONS | ATTENDANCE / DISCIPLINE | | | Failing ELA / Reading Grades | Failing Writing Grades |
|-----------|-------------|--------------|----------------------------|---------------------------------|---------------------------|------------------------------|------------------------|
| | | | Last Four Weeks Attendance | Number of Unexcused Days Absent | State Reportable Offenses | | |
| | 3rd | | 95.0 % ▼ | 1 | 0 | 0/1 ◀▶ | |
| | 3rd | | 75.0 % ▼ | 9 | 0 | 0/1 ◀▶ | |
| | 3rd | | 90.0 % ▲ | 13 | 0 | 0/1 ◀▶ | |
| | 3rd | | 90.0 % ▼ | 8 | 0 | 0/1 ◀▶ | |
| | 3rd | | 95.0 % ▼ | 1 | 0 | 0/1 ◀▶ | |
| | 3rd | | 85.0 % ▼ | 6 | 0 | 0/1 ◀▶ | |
| | 3rd | | 90.0 % ▼ | 5 | 0 | 0/1 ◀▶ | |
| | 3rd | | 95.0 % ▼ | 0 | 0 | 0/1 ◀▶ | |

<< Page 1 of 1 >>
Rows per page: 10 20 50 100
Total rows: 19

M State Assessment-M
Alt State Assessment-Alt
A Test Accommodation
C State Assessment-Commended

School Discipline Incidents by Grade Level

| DISCIPLINE | METRIC VALUE (% of students) | TREND | SCHOOL GOAL | DIFFERENCE FROM GOAL | STUDENT ATTAINMENT (# meeting student goal) | DETAILS |
|------------|---------------------------------|-------|-------------|----------------------|--|---------|
|------------|---------------------------------|-------|-------------|----------------------|--|---------|

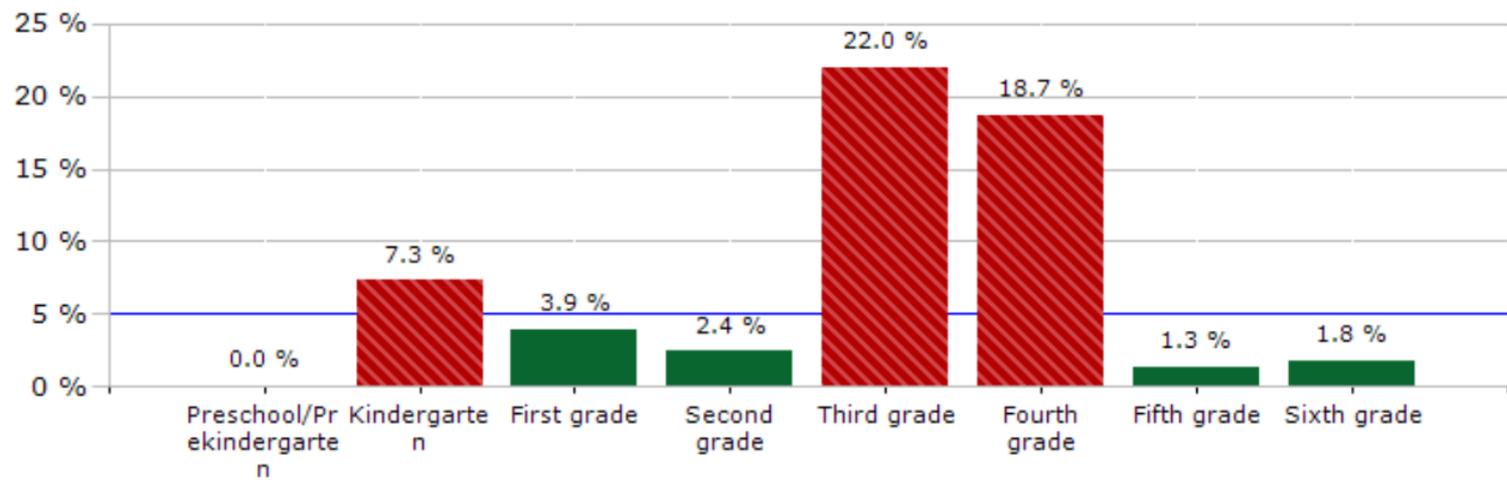
All Discipline Incidents (Through May 19, 2015)

% of students with 1+ state reportable offenses and/or excessive (5+) school code of conduct incidents in a given grading period

| | | | | | | |
|------------------------|-------|---|-------|--------|-----------|--------|
| Current Grading Period | 6.7 % | ▼ | 5.0 % | -1.7 % | 35 of 515 | More ▾ |
|------------------------|-------|---|-------|--------|-----------|--------|

All Discipline Incidents - Current Grading Period - Grade Level Chart ↻

- Grade Level Chart
- Student List



Security and Single Sign On Authentication

- One user name, one password, all state systems
- Highly secure with multi-factor authentication
- Works anywhere, anytime and on any device



Automated State Reporting

- Automatic transmission of state reporting data
- No manual processing or collation of data – uses SIS transactions
- Simplified error handling



Support for Data Driven Education

- State-of-the-art, state-wide data warehouse
- On demand access with virtually limitless capacity
- Optimized for data-driven education and informed business decision making
- Works with Excel, Tableau and most common tools





Technology Directions

What to Look Forward to
from the TDOE

Superintendents Study Council
9/14/2015, Gatlinburg, TN



Learning Pathways

ADAPTIVE LEARNING

Individualized Learning

Electronic Content

Credit
Recovery

BLENDED

DIGITAL
CURRICULUM

ONLINE

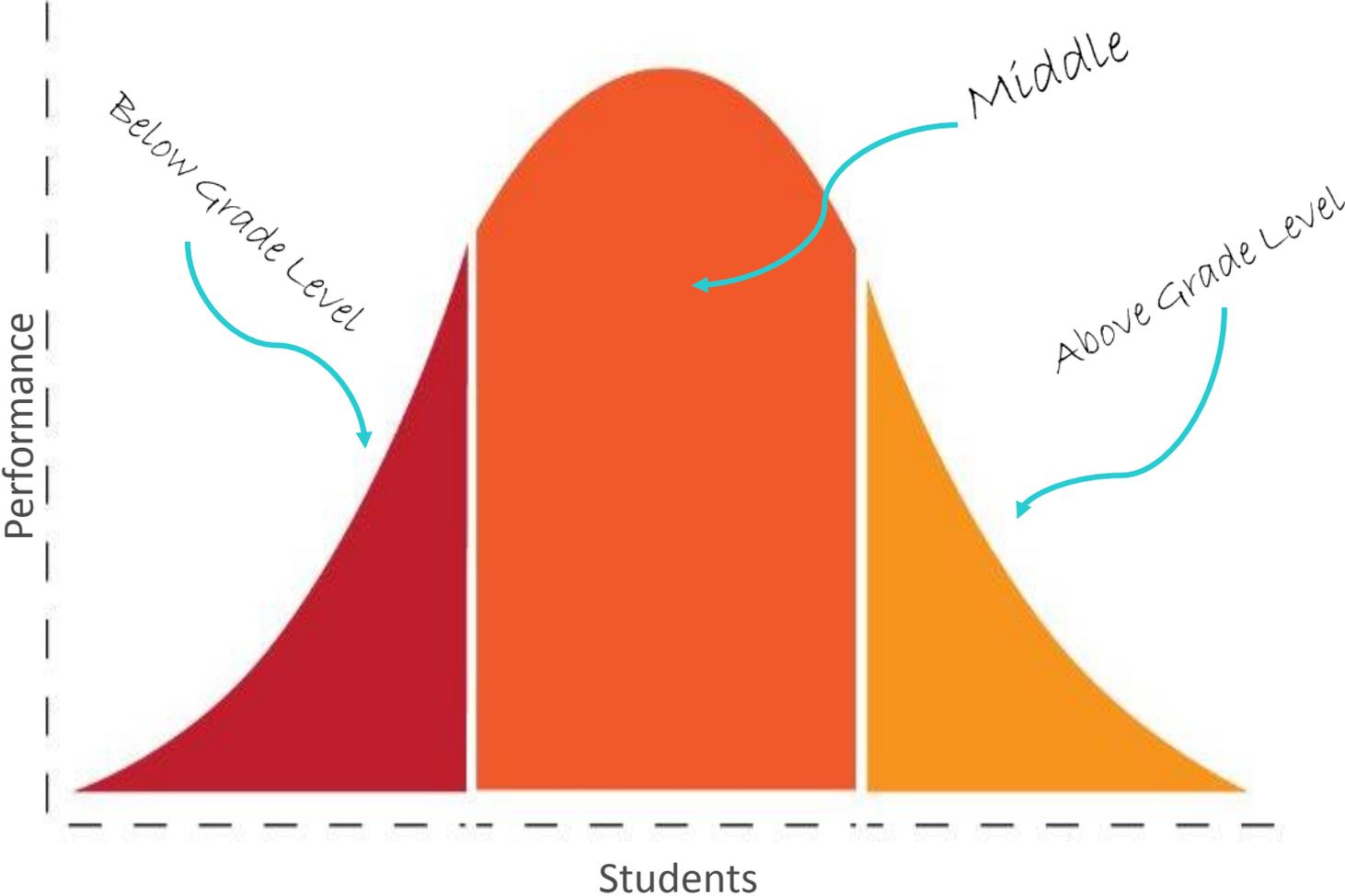
Distance Learning

LEARNING

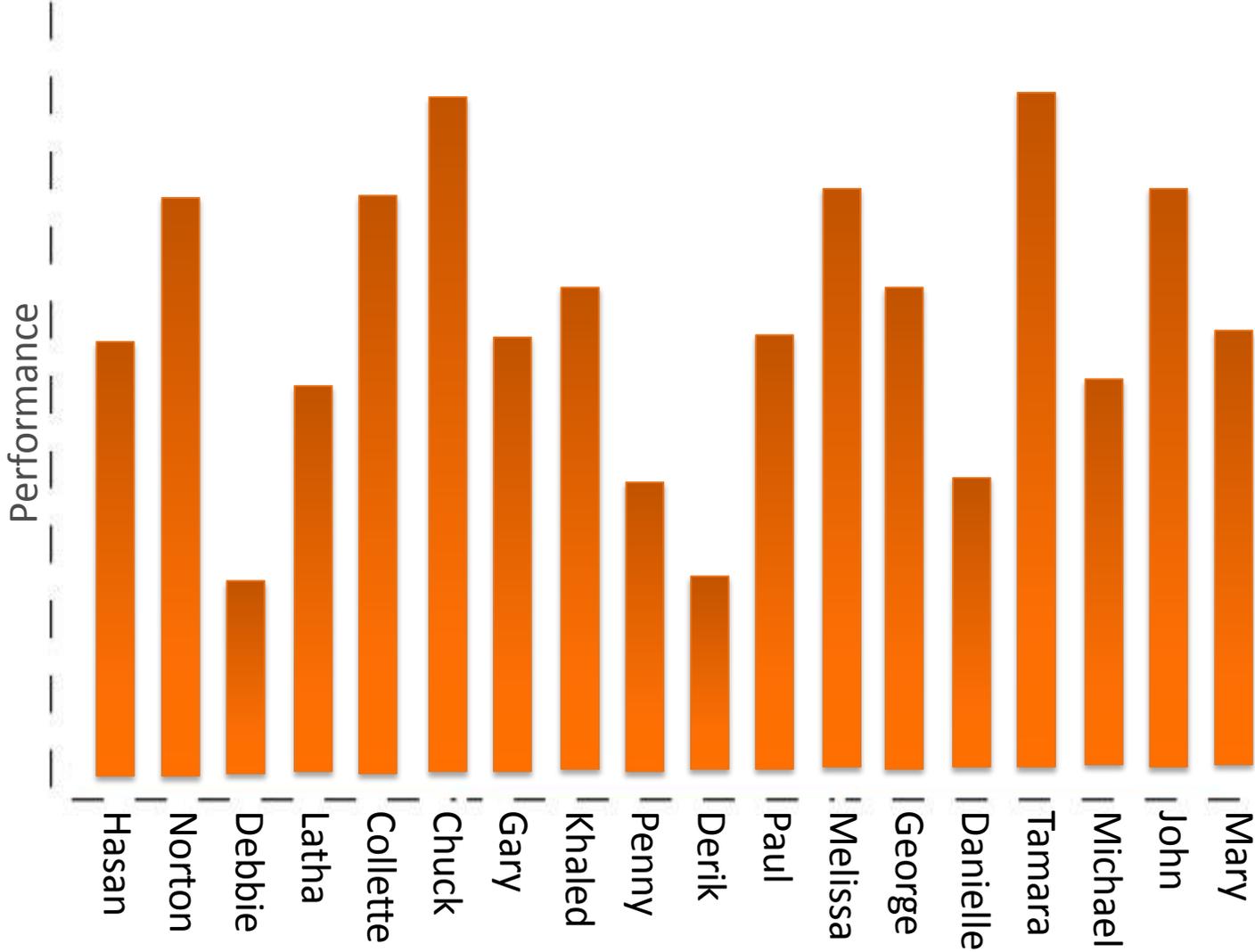
Personalized Learning

Differentiated Instruction

The Statisticians Favorite Performance View...



Same Data, Different View



State Investments in Personalized Learning



Learning
Management
Platform



Digital Content
Development &
Repository



Multiple
Online Learning
Pilots



Innovative
Proofs of
Concept



Educator
Training
Resources



Policy and
Legislation
Advocacy



Innovative Data
& Analytics
Platforms



Vendor
Negotiations



Questions?

Superintendents Study Council
9/14/2015, Gatlinburg, TN

