



**WYOMING**  
DEPARTMENT OF EDUCATION

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*Creating Opportunities  
for Students to Keep  
Wyoming Strong*

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# Growth 101: Fundamentals of Growth

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# Why are we here?



- What is growth?
- Why is it important?
- How is it measured?
- What are the key trends of growth?
- What tools are available to focus on growth?  
How do I access these tools/reports?

# What is growth?



The measurable change in an individual student's performance over time, using scores from one year to the next.



# Why is growth important?



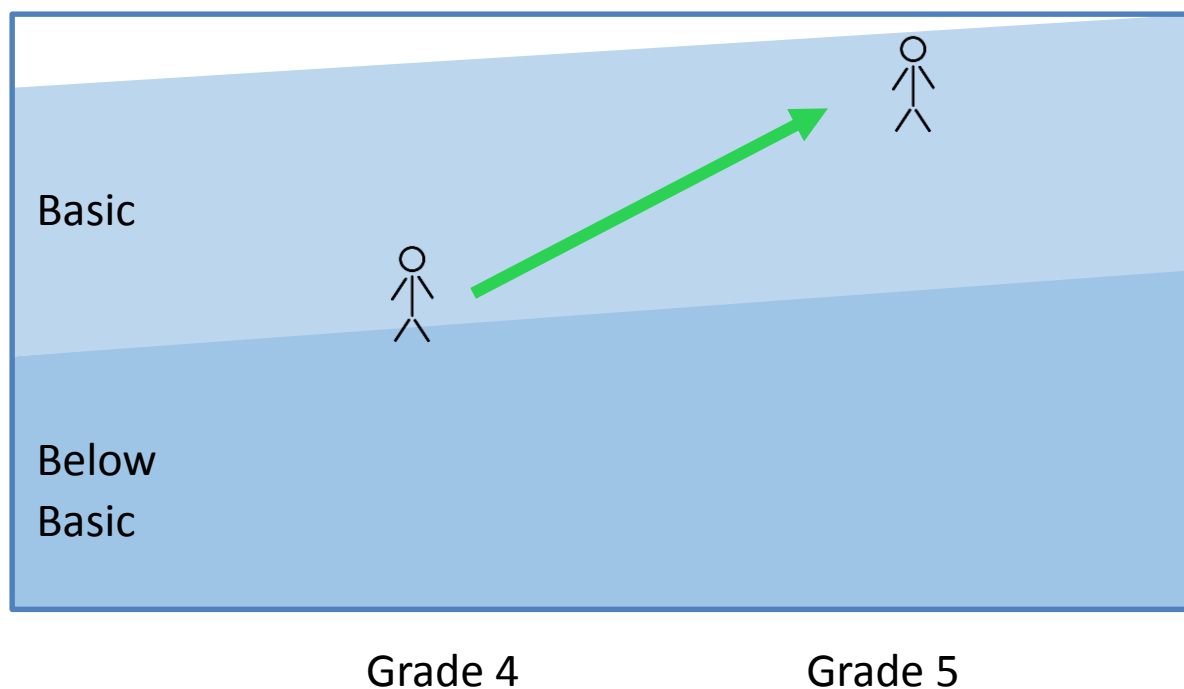
## Wyoming Accountability in Education Act (WAEA)

- Elementary and Middle School
  - Achievement
  - Growth ←
  - Equity ←

# Demonstrates improvement



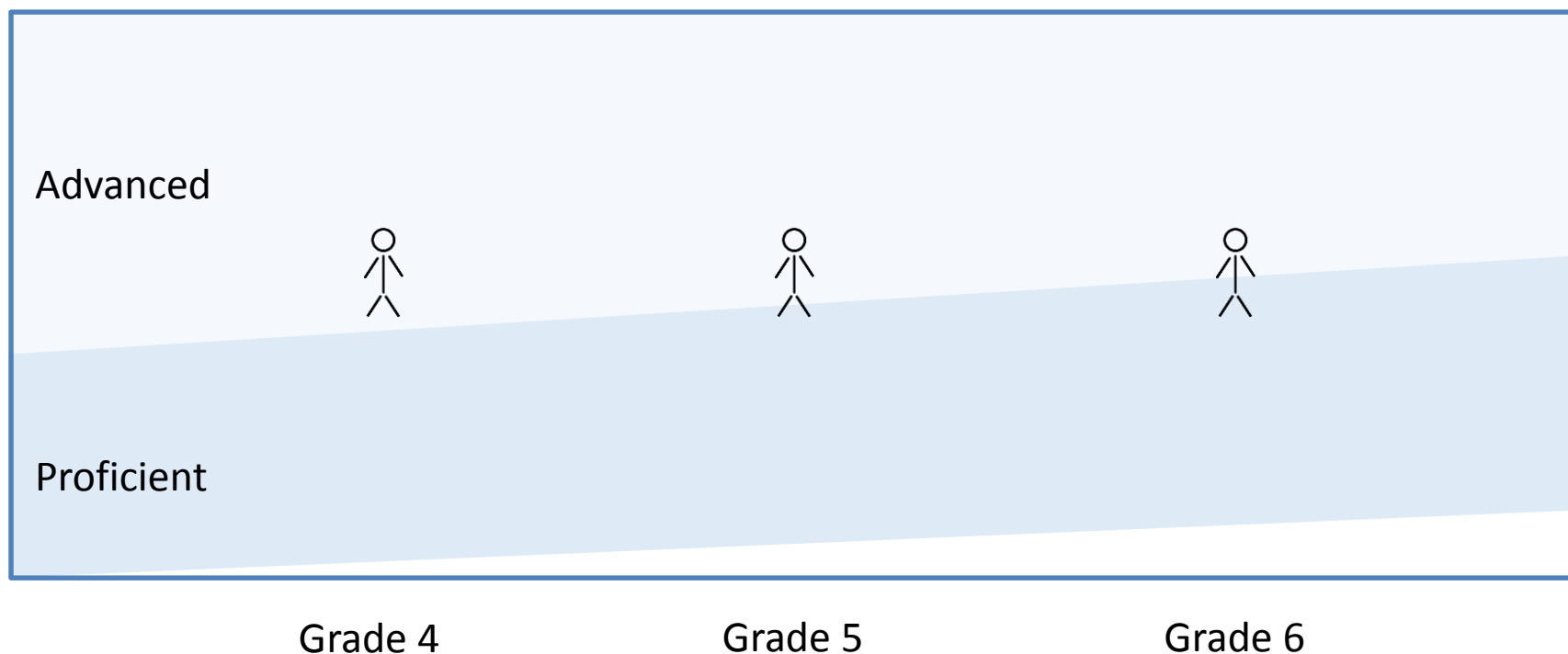
Shows improvement among those with low achievement



# Exceeding proficiency



Gives those who are high achieving more to strive for beyond proficiency



# Terminology



## Academic Peers

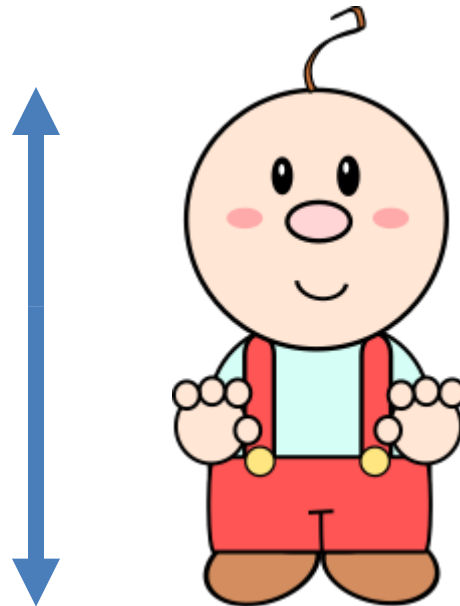
Students with similar test score history.



# Terminology

## Percentile score

Expresses that a student scored equal to, or better than, X % of students who had similar scores in the previous year.

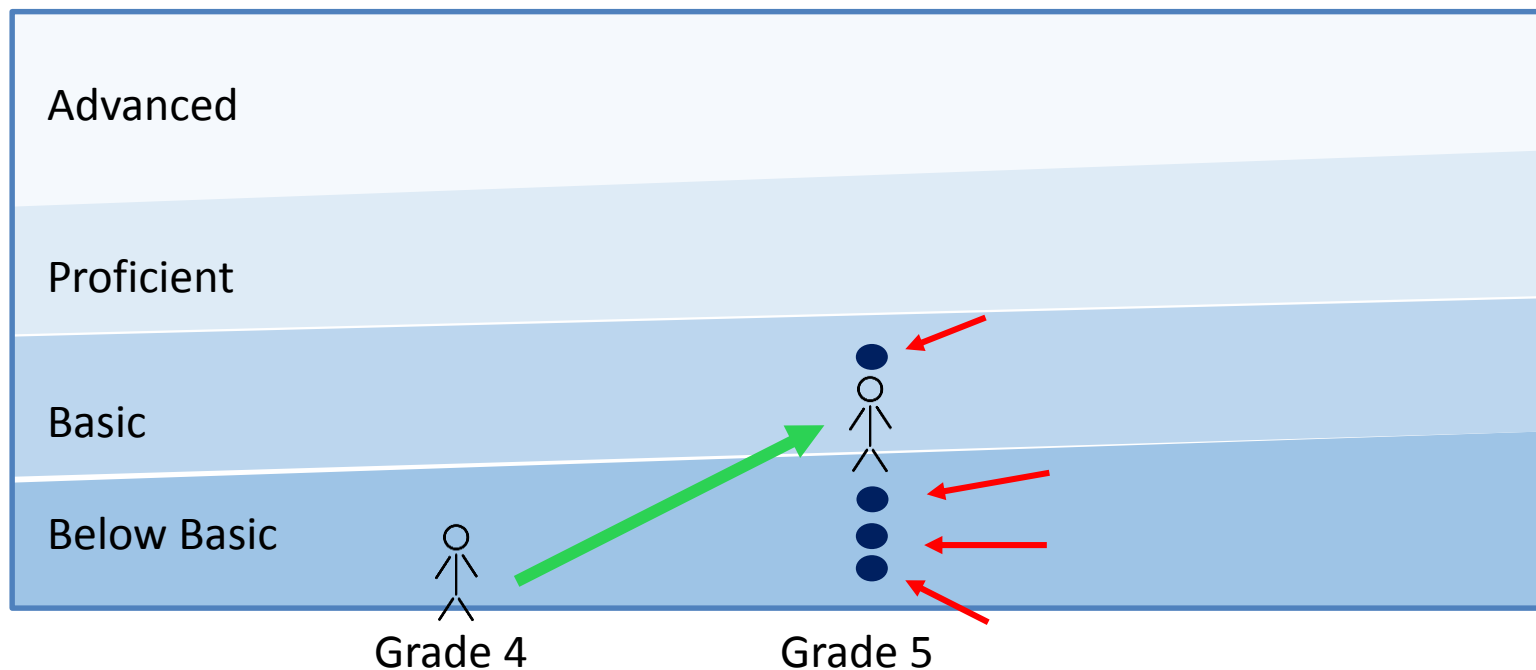


# Terminology



## Student Growth Percentile (SGP)

A student's growth over the past year, compared his or her academic peers.



# Terminology



## Median Growth Percentile (MGP)

Used to summarize SGPs across classes, grades, and schools.

\*The MGP is used in the Wyoming school rating system under the Wyoming Accountability in Education Act (WAEA), Enrolled Act 65.\*

Last Name	SGP
Smith	6
Johnson	12
Williams	21
Jones	32
Brown	34
Davis	47
Miller	55
Wilson	61
Moore	63
Taylor	74
Anderson	81
Thomas	88
Jackson	95

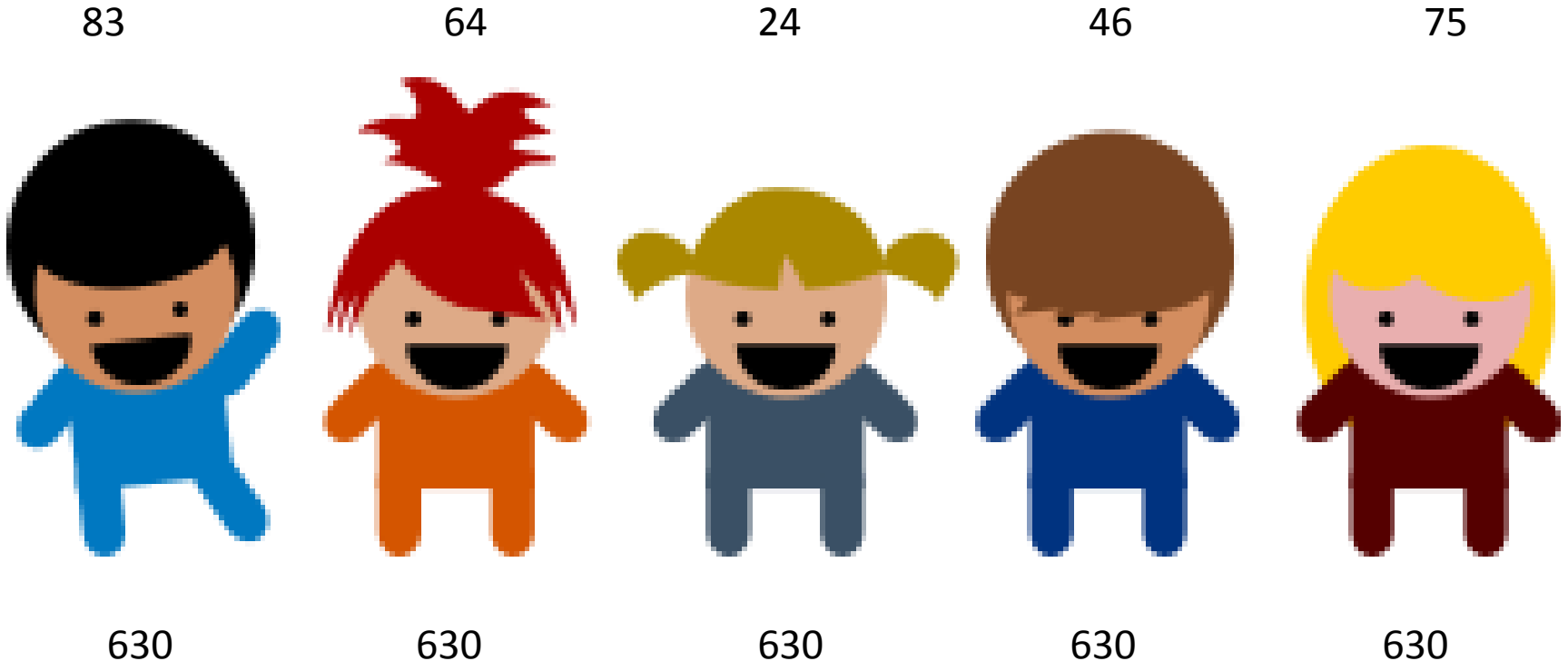
# Rules of Thumb



- Student Growth Percentile Interpretation
  - $< 35$  is low growth
  - 35 to 65 is typical growth
  - $\geq 66$  is high growth
- School Growth Score Interpretation
  - WAEA school MGP cut-points
    - $< 45$  is below target
    - 45 to 59 is meeting target
    - $\geq 60$  is exceeding target

# Growth Trends

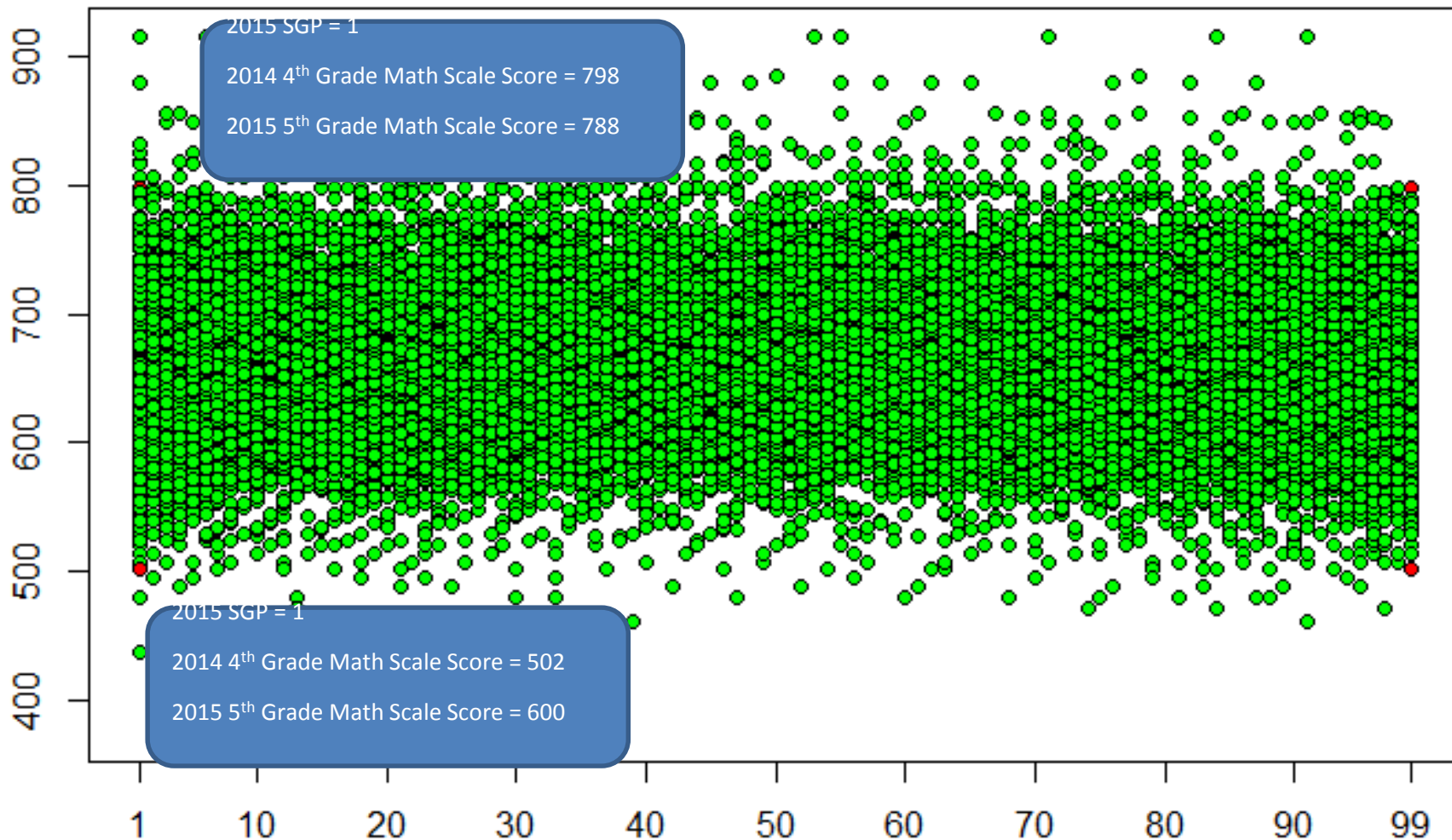
A Student Growth percentile is NOT correlated with proficiency.



# Growth and Prior Achievement

## Wyoming 5th Grade Students 2015 Mathematics Performance

Prior Achievement | Students' 2014 PAWS Scale Scores

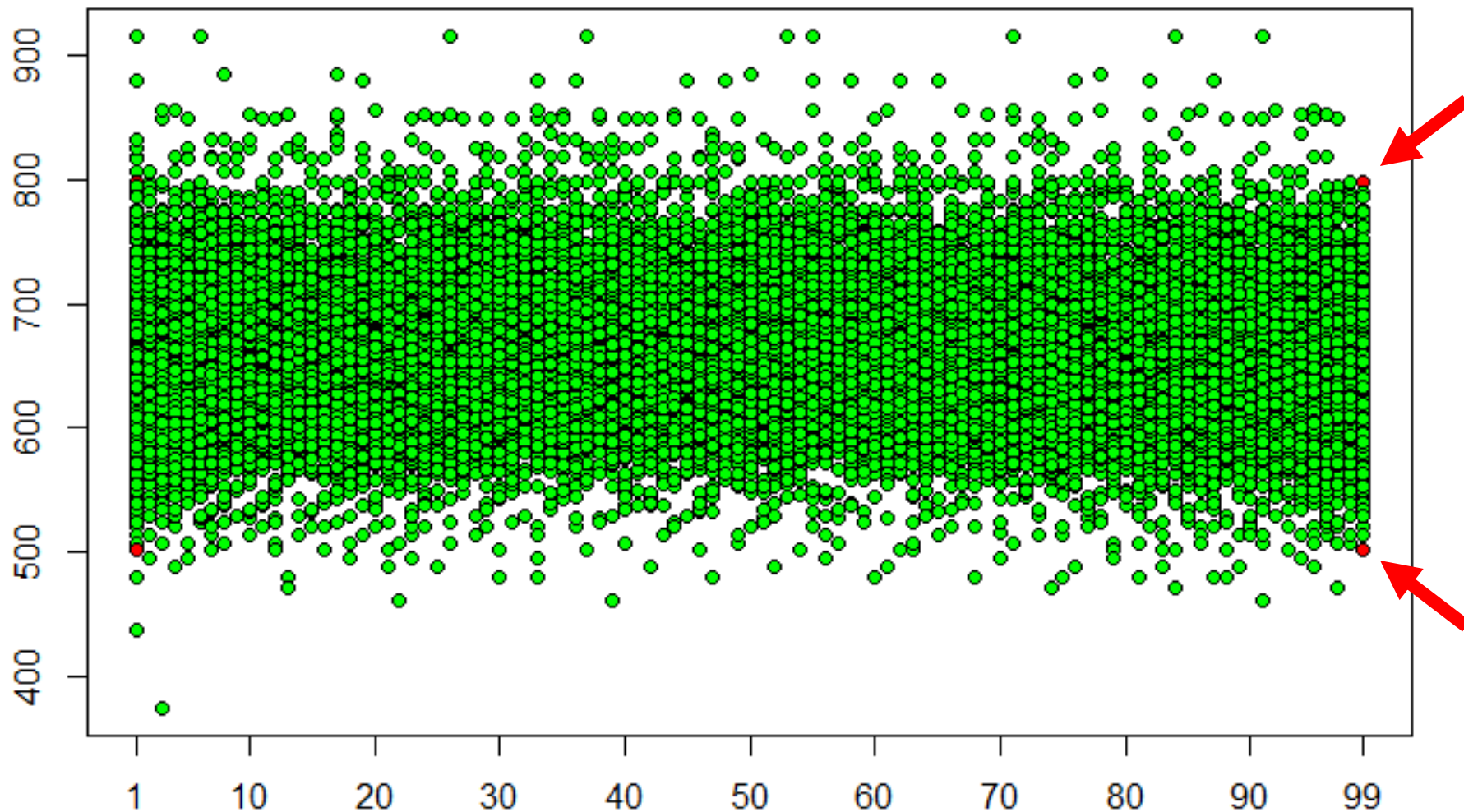


Growth | Students' 2015 Growth Percentiles

# Growth and Prior Achievement

## Wyoming 5th Grade Students 2015 Mathematics Performance

Prior Achievement | Students' 2014 PAWS Scale Scores

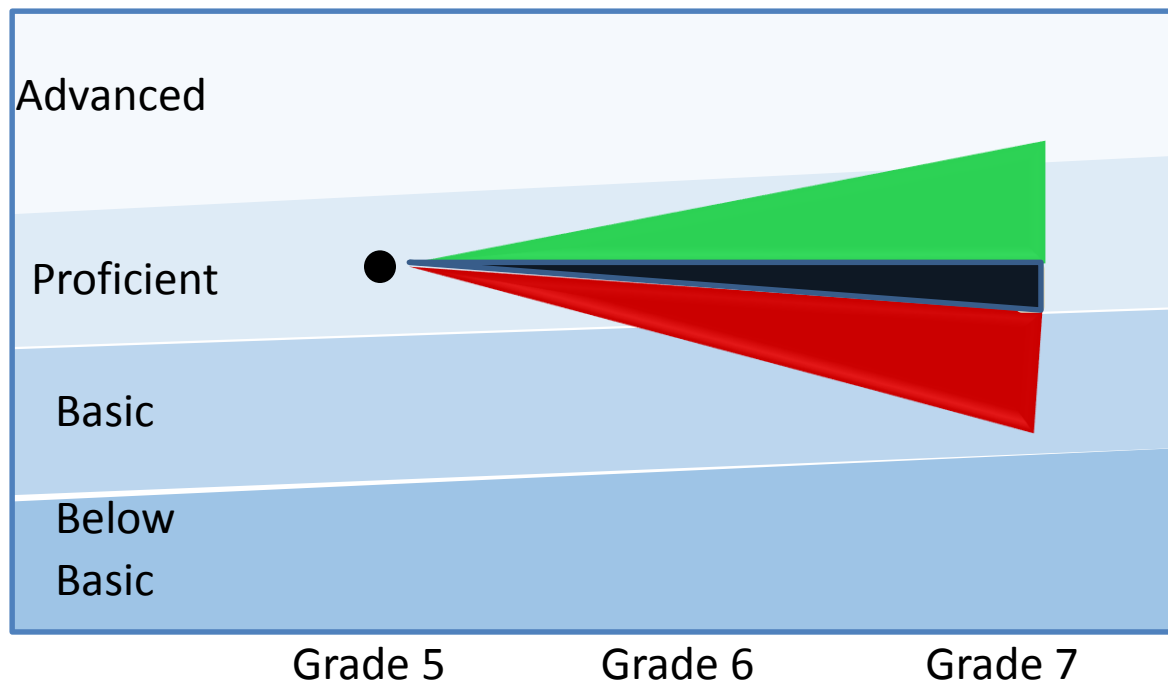


Growth | Students' 2015 Growth Percentiles

# Growth Trends



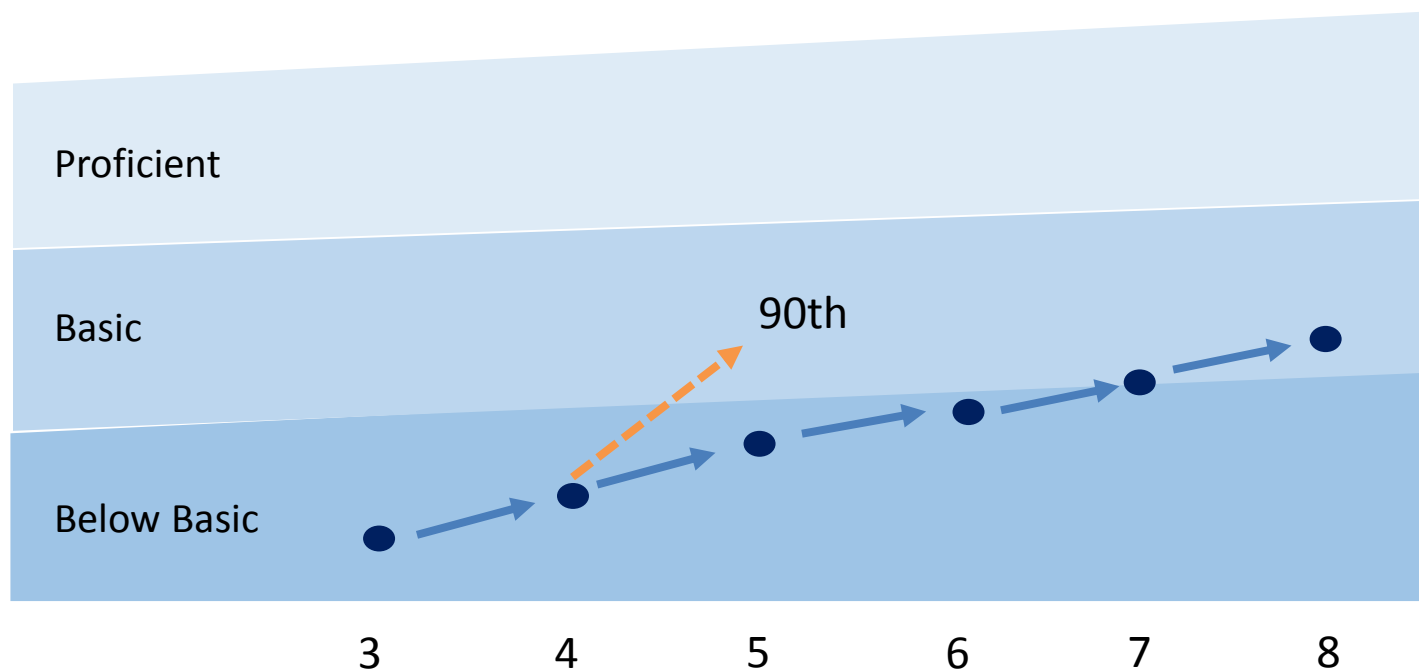
Many proficient students are not keeping up.



# Growth Trends



Some low-achieving students are not growing fast enough to catch up.





We take our moral and legal responsibility to protect student privacy and ensure data security and confidentiality seriously.

# Security



The policies and practices implemented at the state, district, and school levels to ensure that data are kept safe from corruption and that access is limited and appropriate.

# Confidentiality



The obligation of a person with access to another individual's personally identifiable information not to share it without consent.

# What resources are out there for me to use to focus on growth?



## Sample School 1

### How to interpret this student growth & achievement report

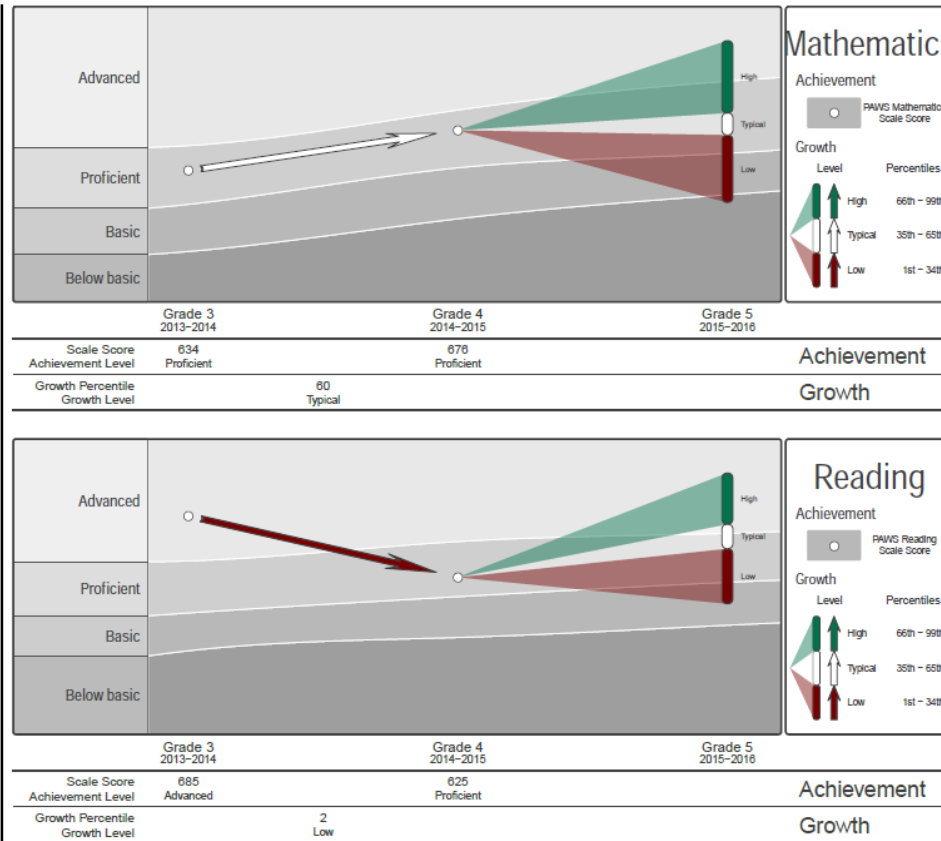
PAWS Scale Score

PAWS Achievement Levels

Student Growth Percentile

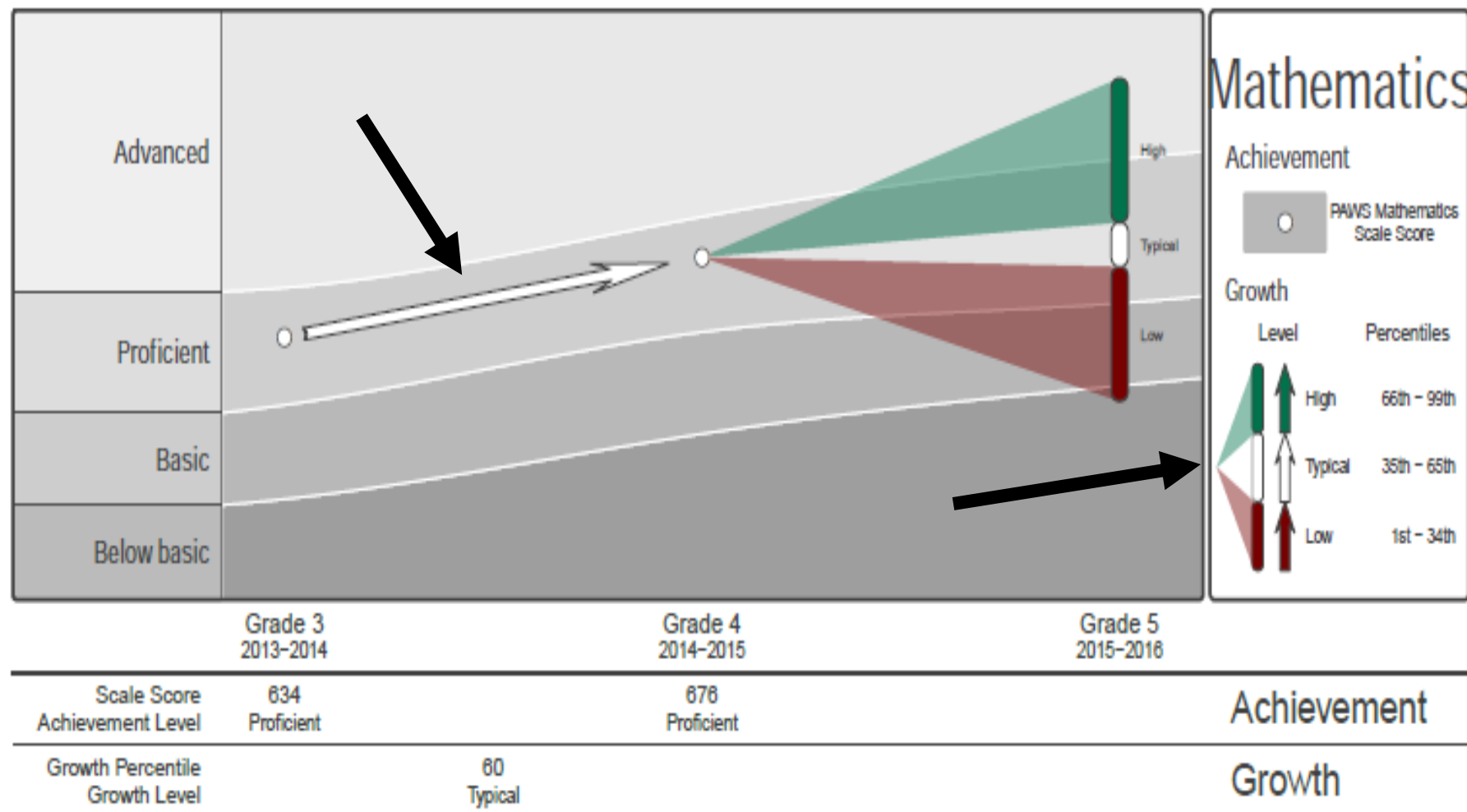
### Suggested Uses

- Review past growth to assess student academic progress toward PAWS achievement goals.
- Develop remediation or enrichment plans based on rate of growth needed to reach higher PAWS achievement levels.
- Identify the rate of progress needed in order to reach or maintain proficient status on the PAWS next year.

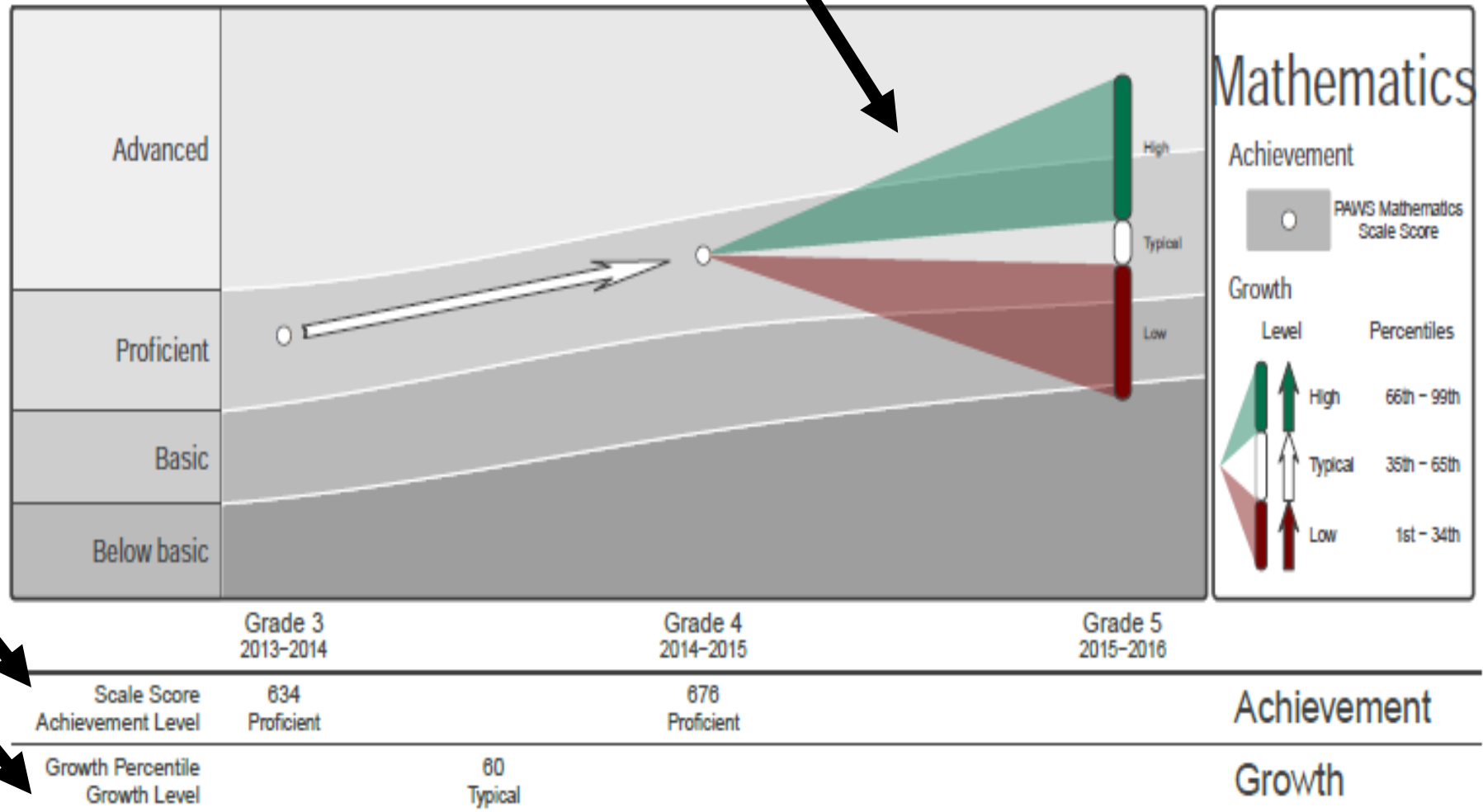


For more information please visit the Wyoming Department of Education (WY) at <http://edu.wyoming.gov/educators/assessment/paws/> or contact [deb.lindsey@wyo.gov](mailto:deb.lindsey@wyo.gov)  
Cooperatively developed by the WY & the Center for Assessment, Inc. Distributed by the WY.

# Individual Student Growth Report

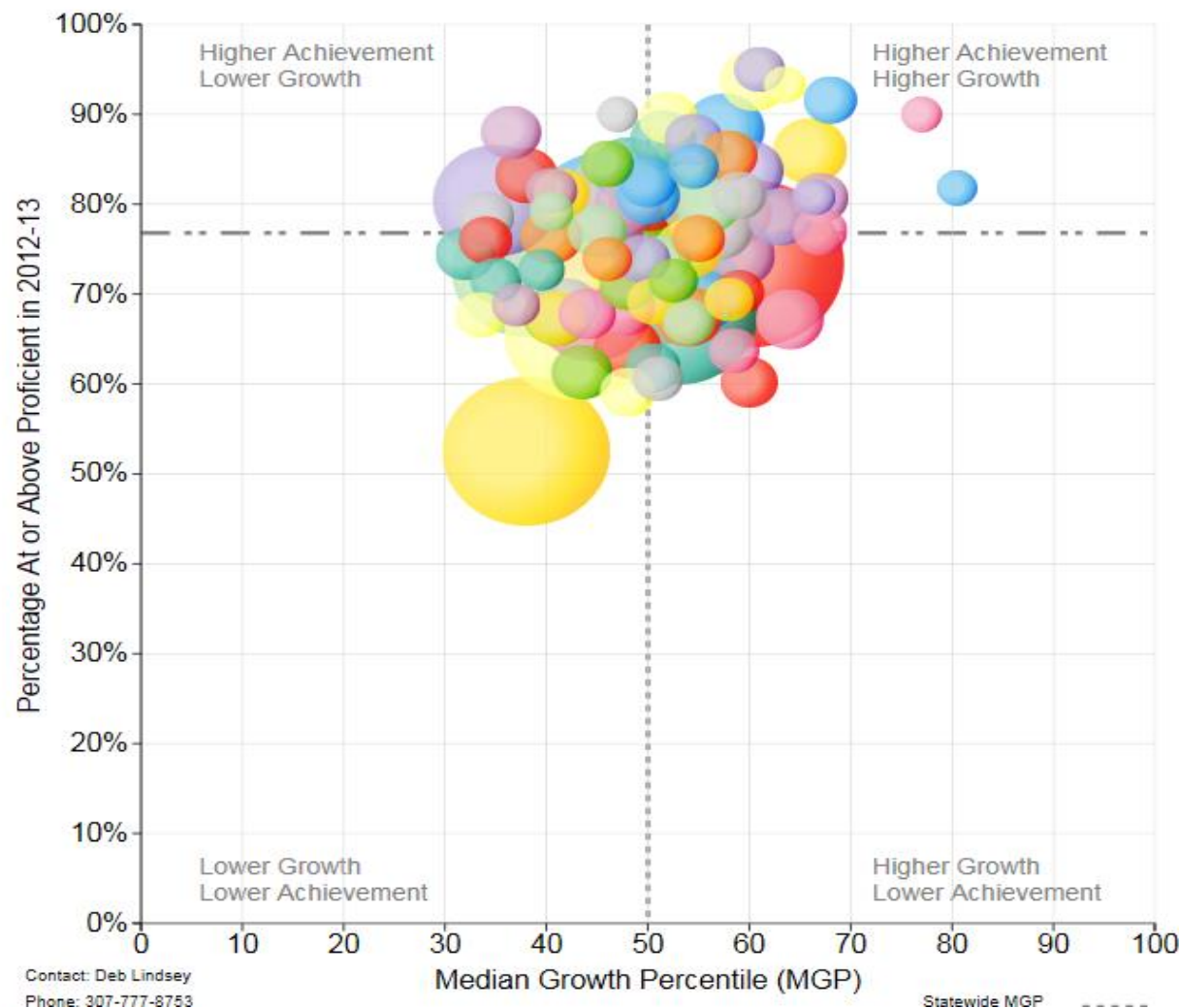


# Individual Student Growth Report



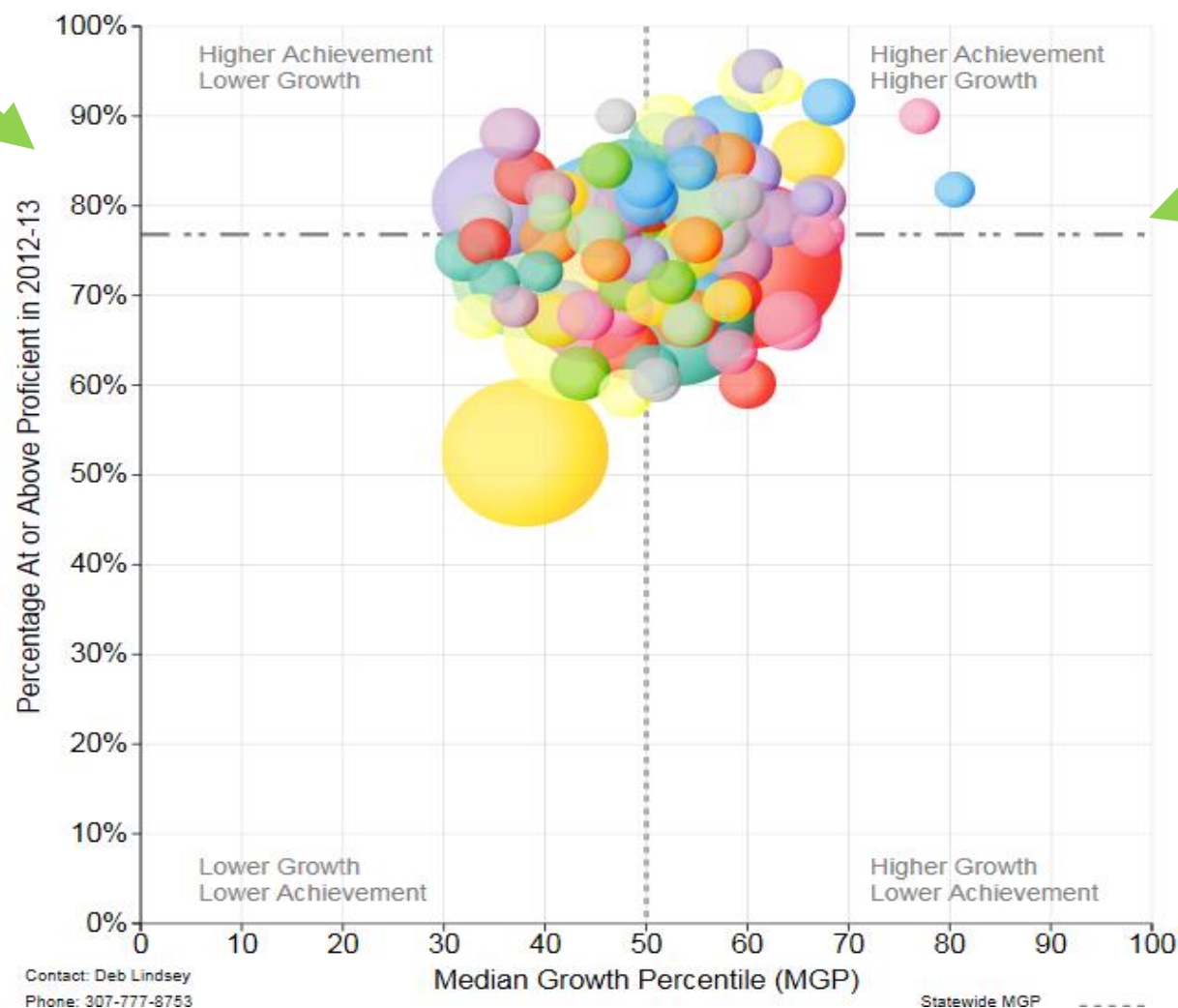
# Growth & Achievement Report

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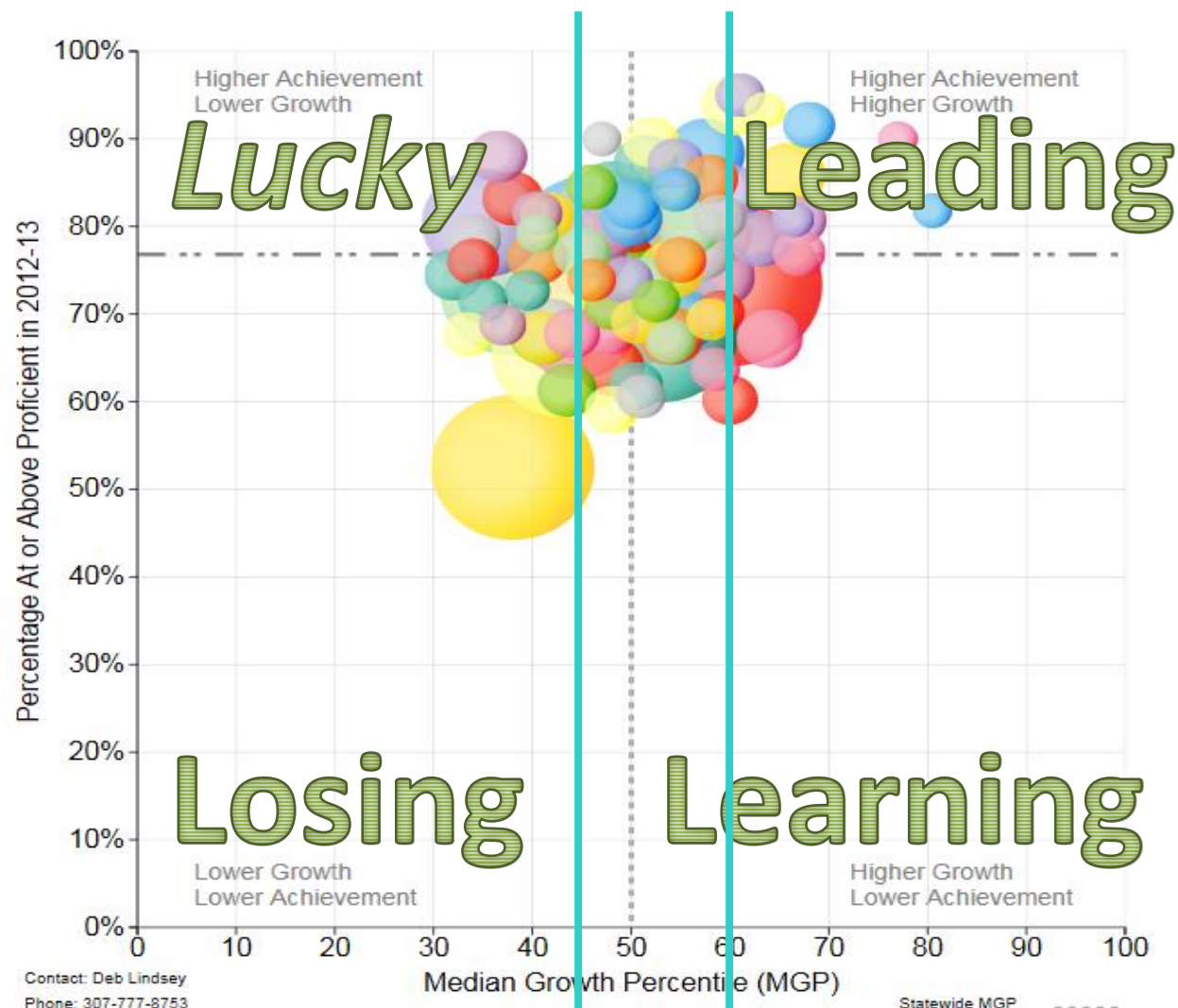


# Growth & Achievement Report

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# Growth & Achievement Report



# Growth & Achievement Report

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WYOMING EDUCATION  
**FUSION**

Home | Directory | Data Collection | **Data Reporting** | Applications

Home | Fusion Home | WDE Home

Home » Fusion Home

Whom Do I Ask? SEARCH  Go

**you!**

## How to Reset your Wyoming Education Fusion Portal password

Here is a helpful video with instructions to retrieve and reset a Wyoming Education Fusion Portal password. To go directly to the video, [click here](#).

### What's New

#### Data Reporting

Assessment

- ACT, PLAN and EXPLORE Averages District Level
- ACT, PLAN and EXPLORE Averages State Level
- PAWS Results Aggregated - State Level
- PAWS Results Aggregated - District Level
- PAWS Results Aggregated - School Level
- PAWS Results Disaggregated - State Level
- PAWS Results Disaggregated - District Level
- PAWS Results Disaggregated - School Level
- PAWS Results School Level - Charter Schools
- PAWS Results School Level - Alternative Schools
- ACT, PLAN and EXPLORE Averages School Level

### Coming Soon

#### The WDE103 and WDE401

collections have been moved into the Data Collection Suite (DCS). The links have been removed from the left side of the data collection page. Instead click on the "Data Submission" link.

# Growth & Achievement Report

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The screenshot shows the "Data Reporting" section of the Wyoming Department of Education website. At the top, there is a navigation bar with buttons for "Home", "Directory", "Data Collection", "Data Reporting", and "Applications". Below this, a breadcrumb trail reads "Data Reporting » Data Reporting Home". The main content area is divided into two columns. The left column, titled "Data Reporting Links", contains a list of links: "Assessment", "Accountability" (which is circled in red), "Finance", "CTE Approved Courses", and "State Report Cards". The right column, titled "Additional Report Links", contains links for "Carl Perkins WyCTA State Report", "Secondary Schools and Students", "Postsecondary Schools and Students", "School District Funding", and a URL: "http://edu.wyoming.gov/Programs/schools/school\_foundation.aspx".

**Data Reporting Links**

- [Assessment](#)
- [Accountability](#)
- [Finance](#)
- [CTE Approved Courses](#)
- [State Report Cards](#)

**Additional Report Links**

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# Growth & Achievement Report



Data Reporting » Accountability Reports

## Data Reporting Links

[Assessment](#)

[Accountability](#)

[Finance](#)

[CTE Approved Courses](#)

[State Report Cards](#)

## Accountability Reports

[AMAO Determinations State Level](#)

[AYP Results - District and School Level](#)

[Growth and Achievement Report](#)

[Growth and Achievement Report - Demonstration Data Set](#)

[Growth and Achievement Report Legend](#)

[Student Growth Percentile Distribution by District - Demonstration Data Set](#)

[Student Growth Percentile Distribution by School - Demonstration Data Set](#)

[WAEA 2013 Pilot Elementary and Middle School Performance Report](#)

[WAEA 2013 Pilot High School Performance Report](#)

[WAEA 2013 Pilot School Performance Overview](#)

[WAEA 2014 Elementary and Middle School Performance Report](#)

[WAEA 2014 Elementary and Middle School Performance Report Summary](#)

[WAEA 2014 High School Performance Report](#)

[WAEA 2014 High School Performance Report Summary](#)



# SGP Distribution Reports



Data Reporting » Accountability Reports

## Data Reporting Links

[Assessment](#)  
[Accountability](#)  
[Finance](#)  
[CTE Approved Courses](#)  
[State Report Cards](#)

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WAEA 2014 High School Performance Report

WAEA 2014 High School Performance Report Summary



# Using the data



- School improvement teams
- Possibilities rather than failures
- All students rather than just “bubble students”
- Inform instruction
- More accessible by general public so the possibility to engage parents in solutions is greater.



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**QUESTIONS?**