

Challenging and Engaging Middle School Learners

Advisory Council on Instruction

May 2, 2018



Arlington Public Schools



Presentation Overview

Data Review

- Reading: SOL and Reading Inventory
- Math: SOL and Math Inventory
- Gifted Services Program Evaluation

Gifted Models

Current Practices

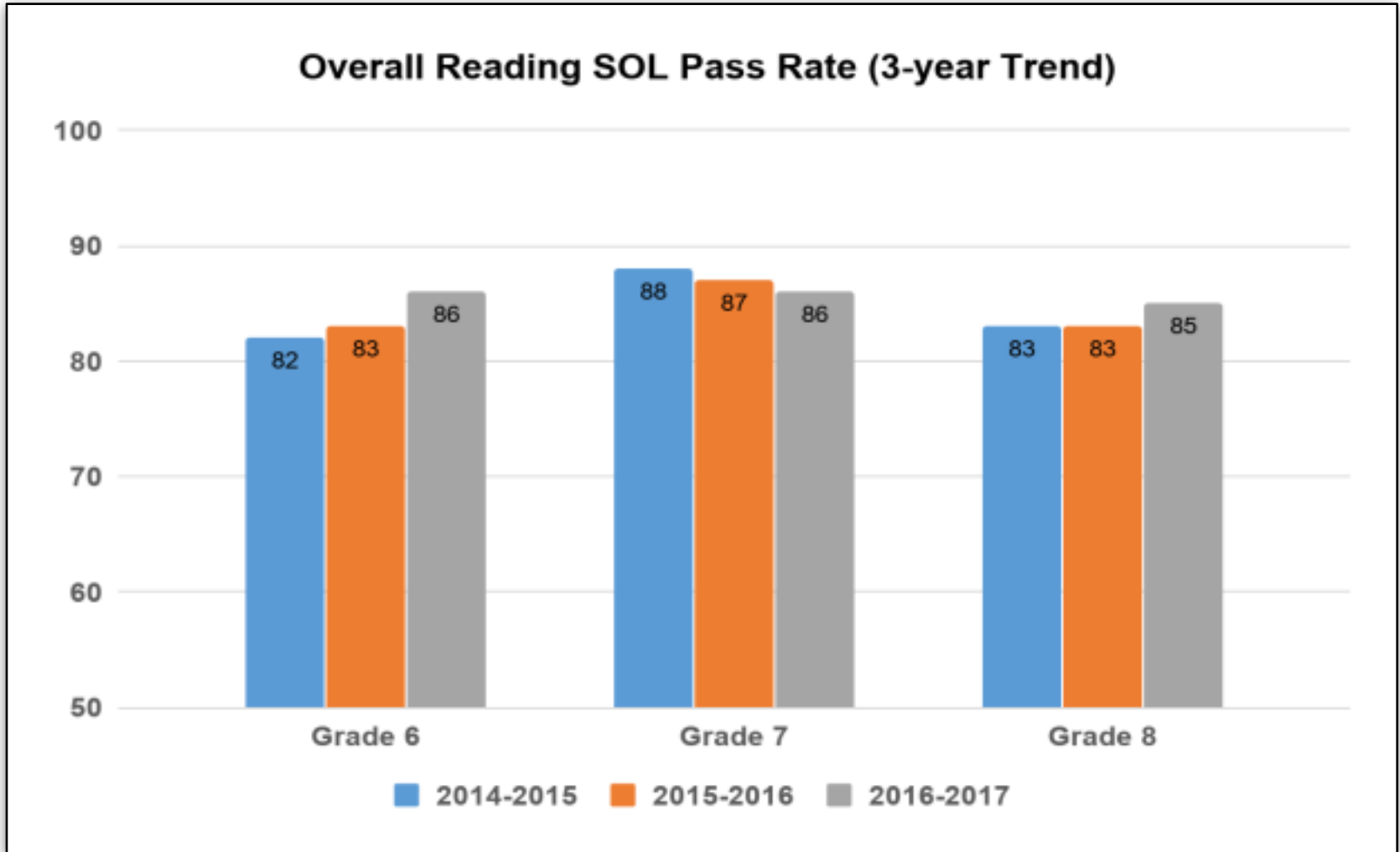
Achievement Data



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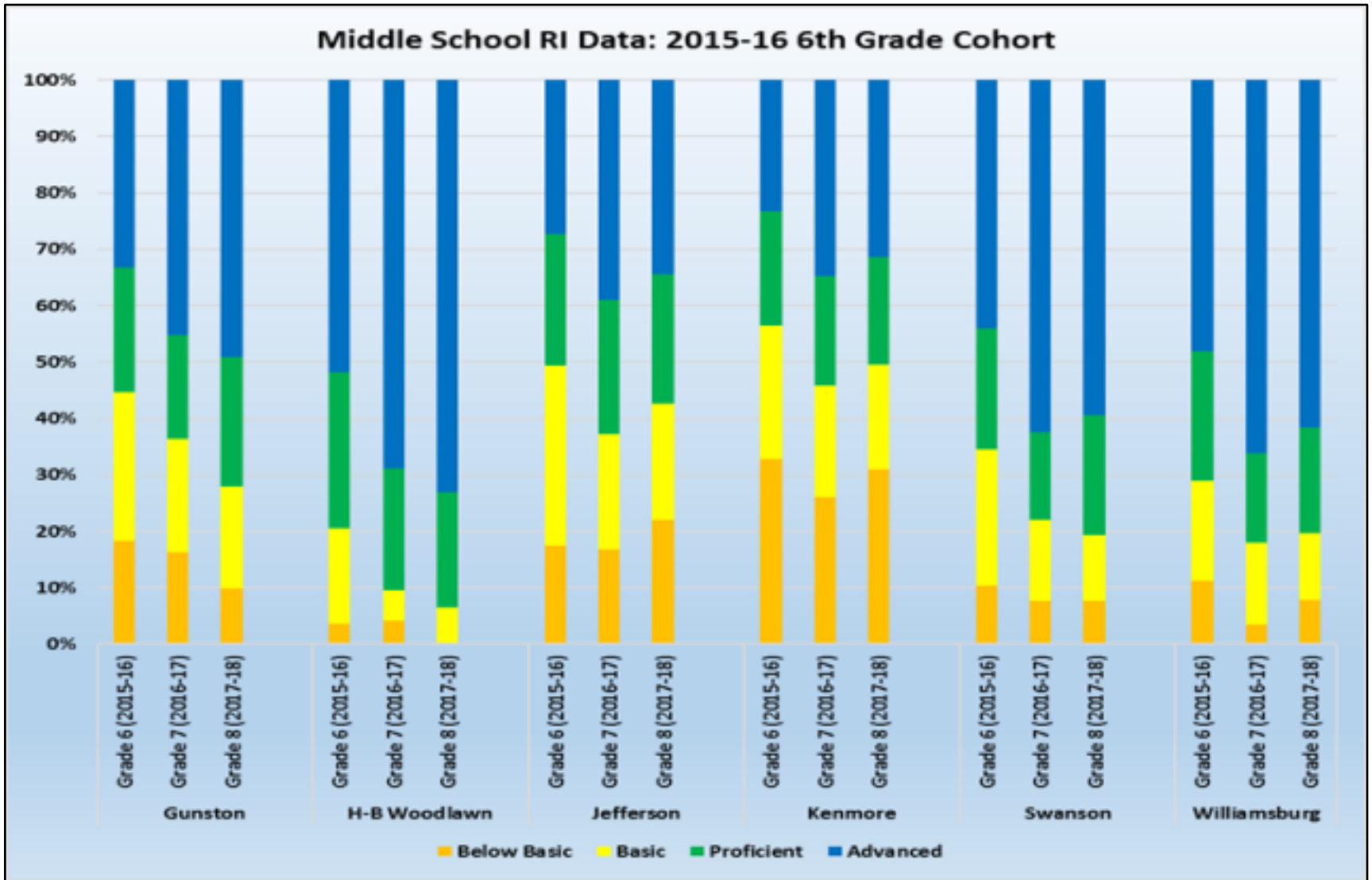


Standards of Learning: Reading Achievement



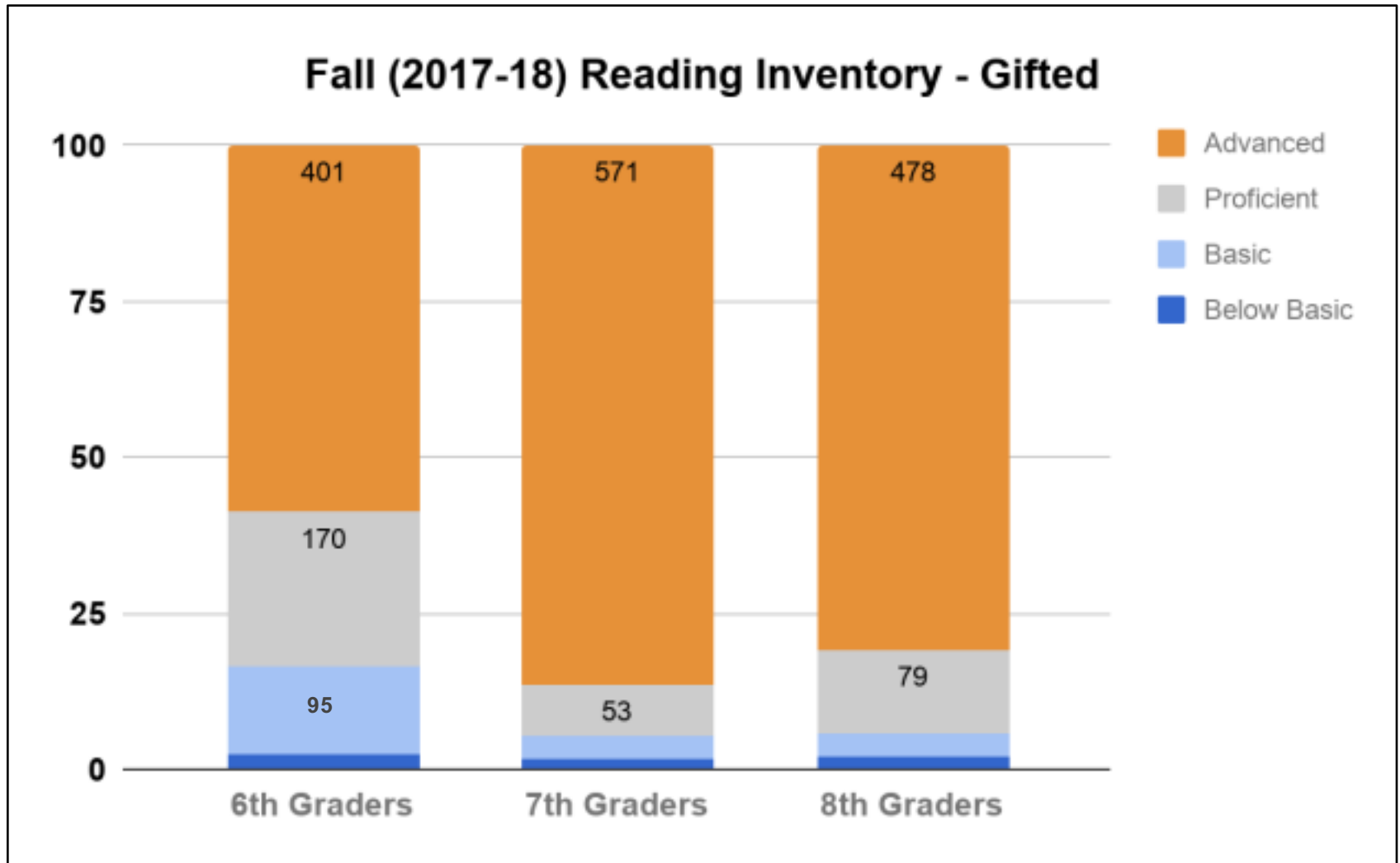


Reading Inventory (RI) 3-Year Trend





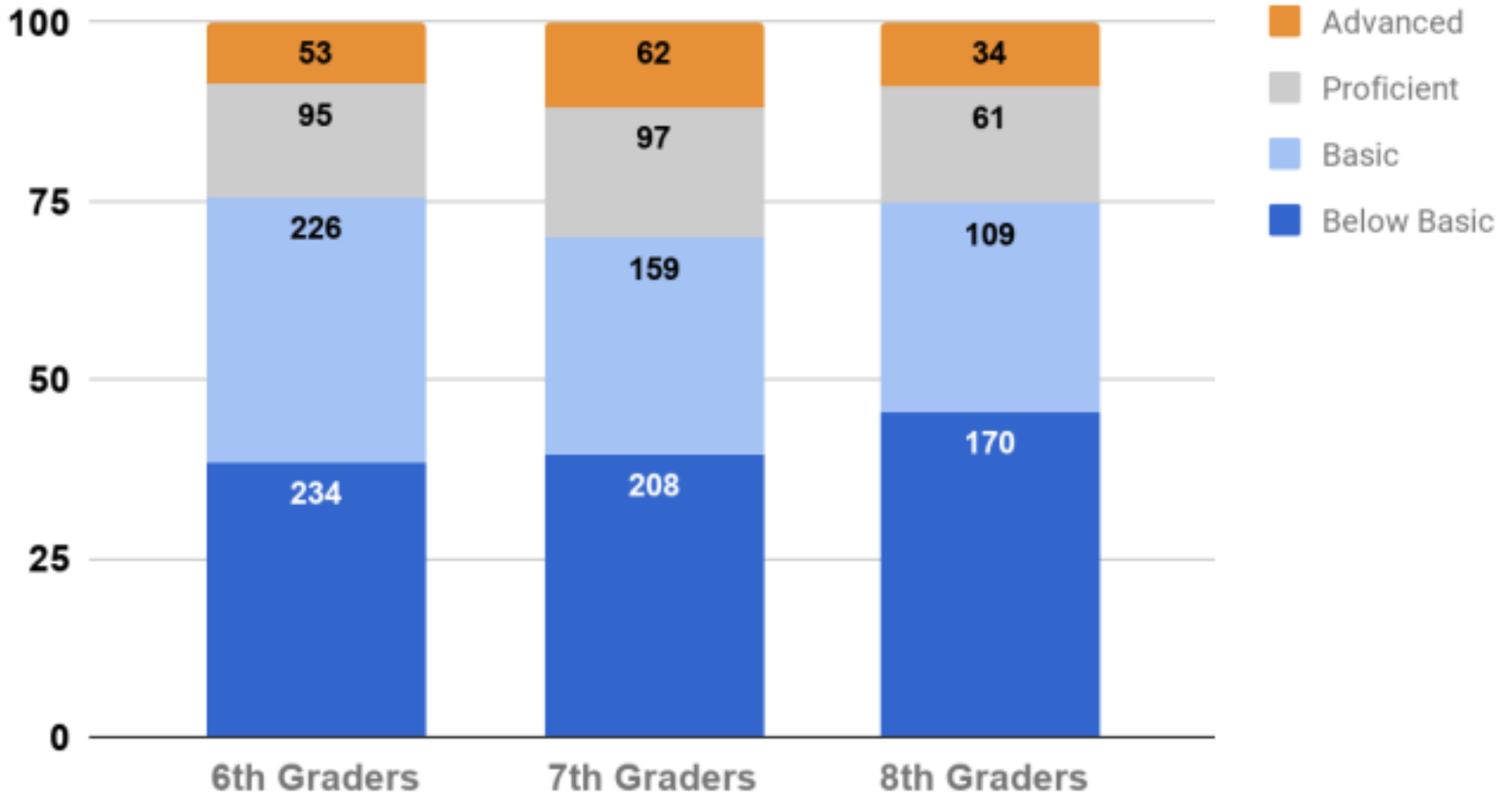
Reading Inventory: MS Students Identified as Gifted





Reading Inventory: MS Students Identified as English Learners

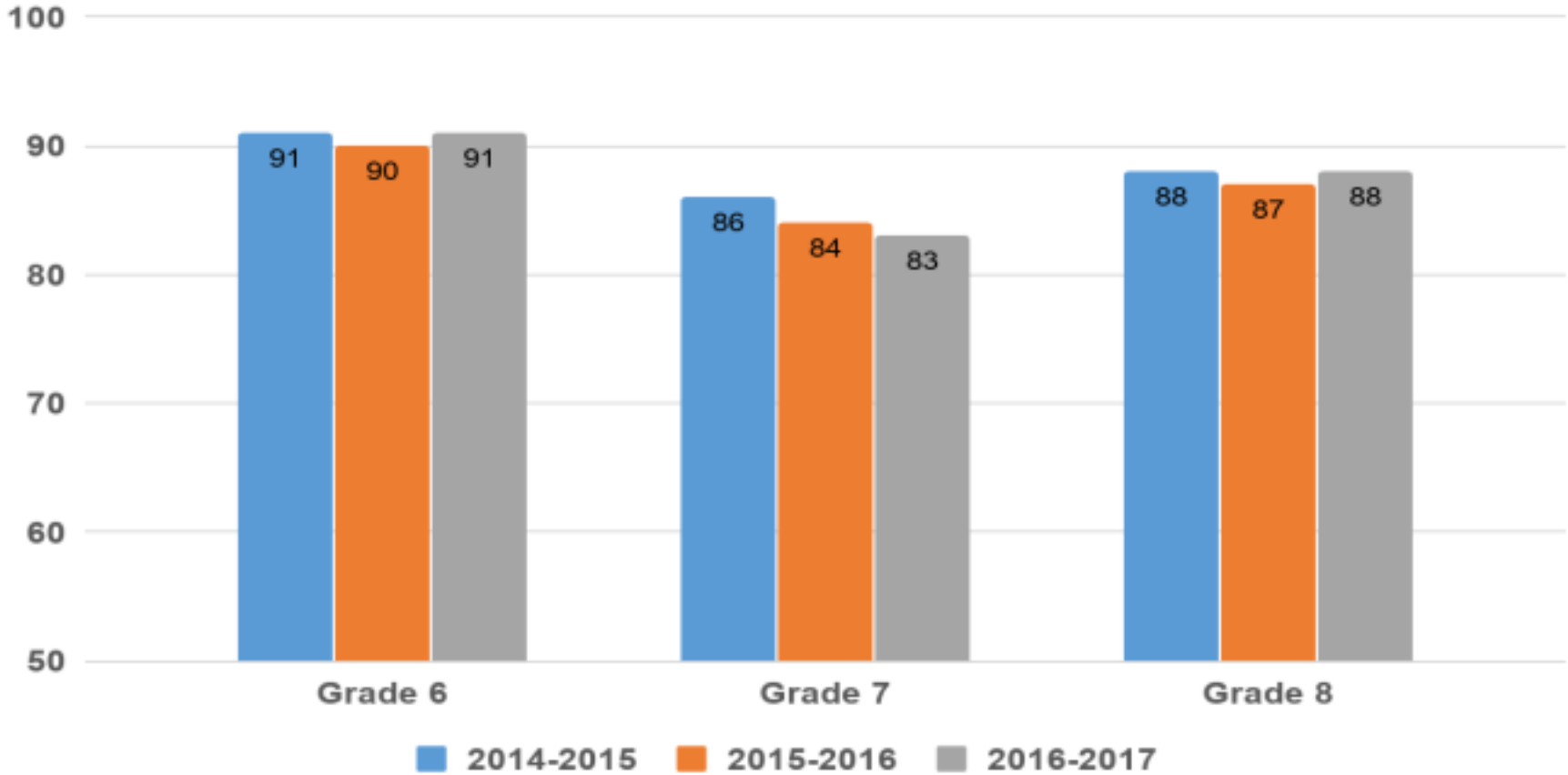
Fall (2017-18) Reading Inventory - English Learners





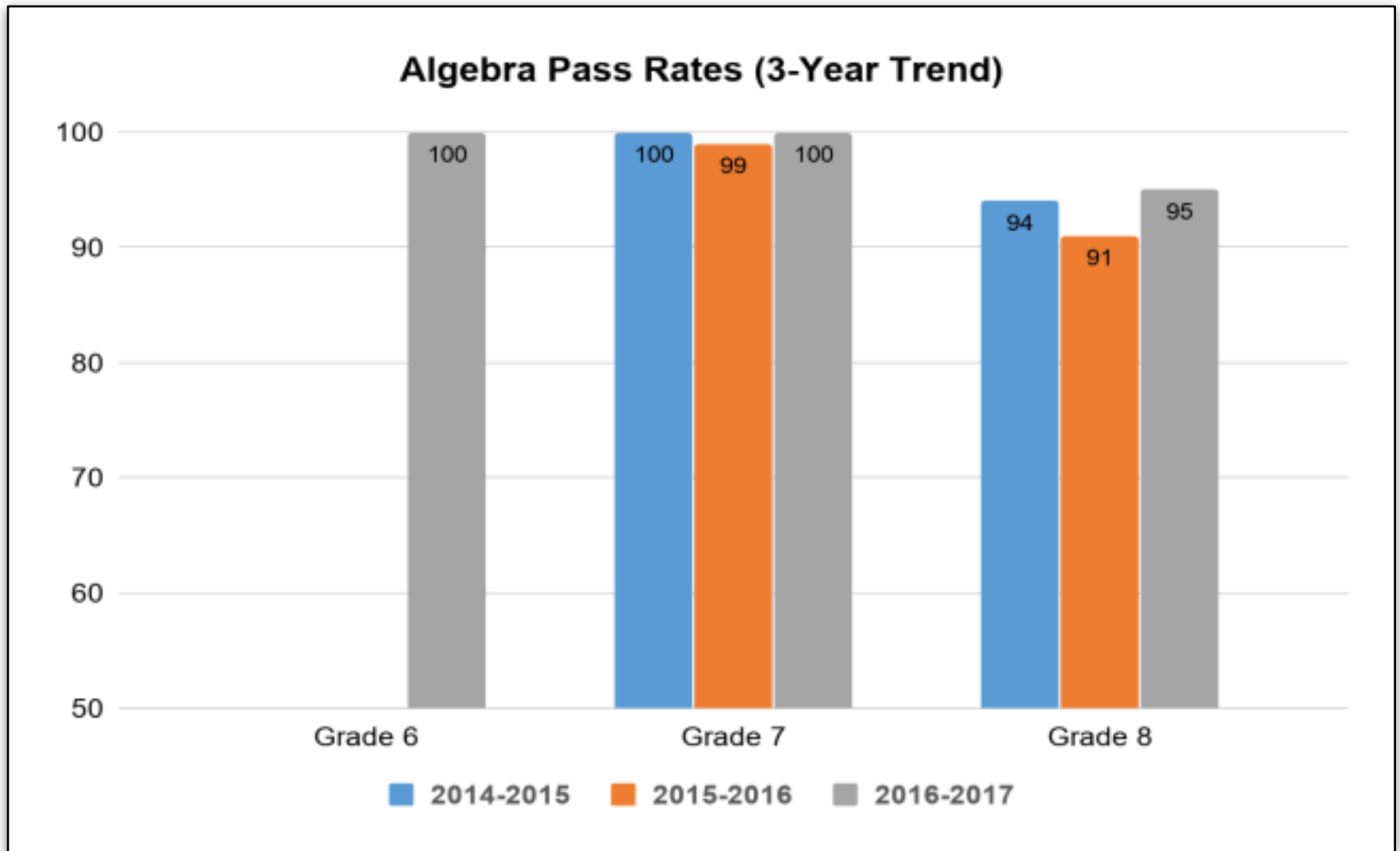
Standards of Learning: Mathematics Achievement

Overall Math SOL Pass Rate (3-year Trend)



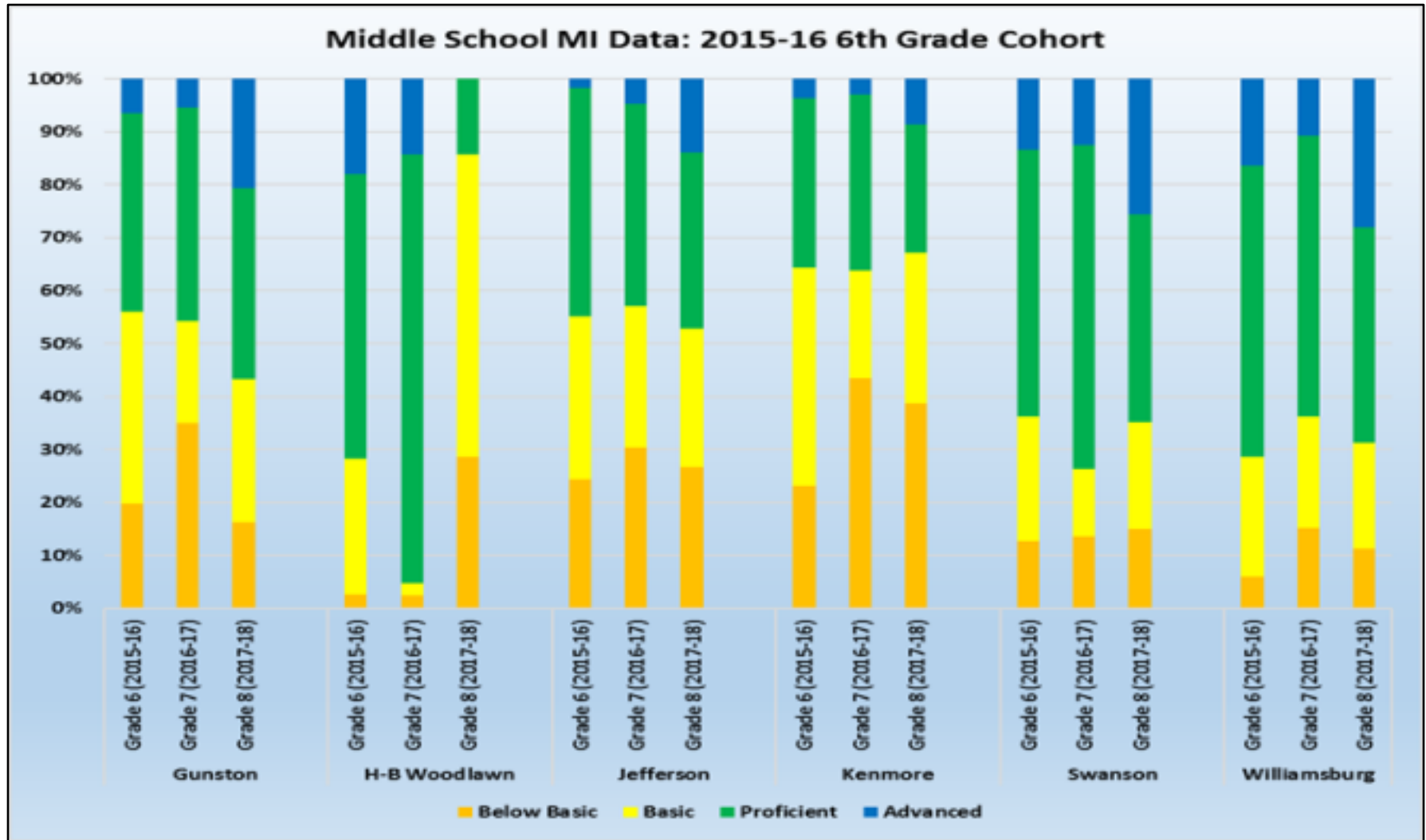


Standards of Learning: Middle School Algebra



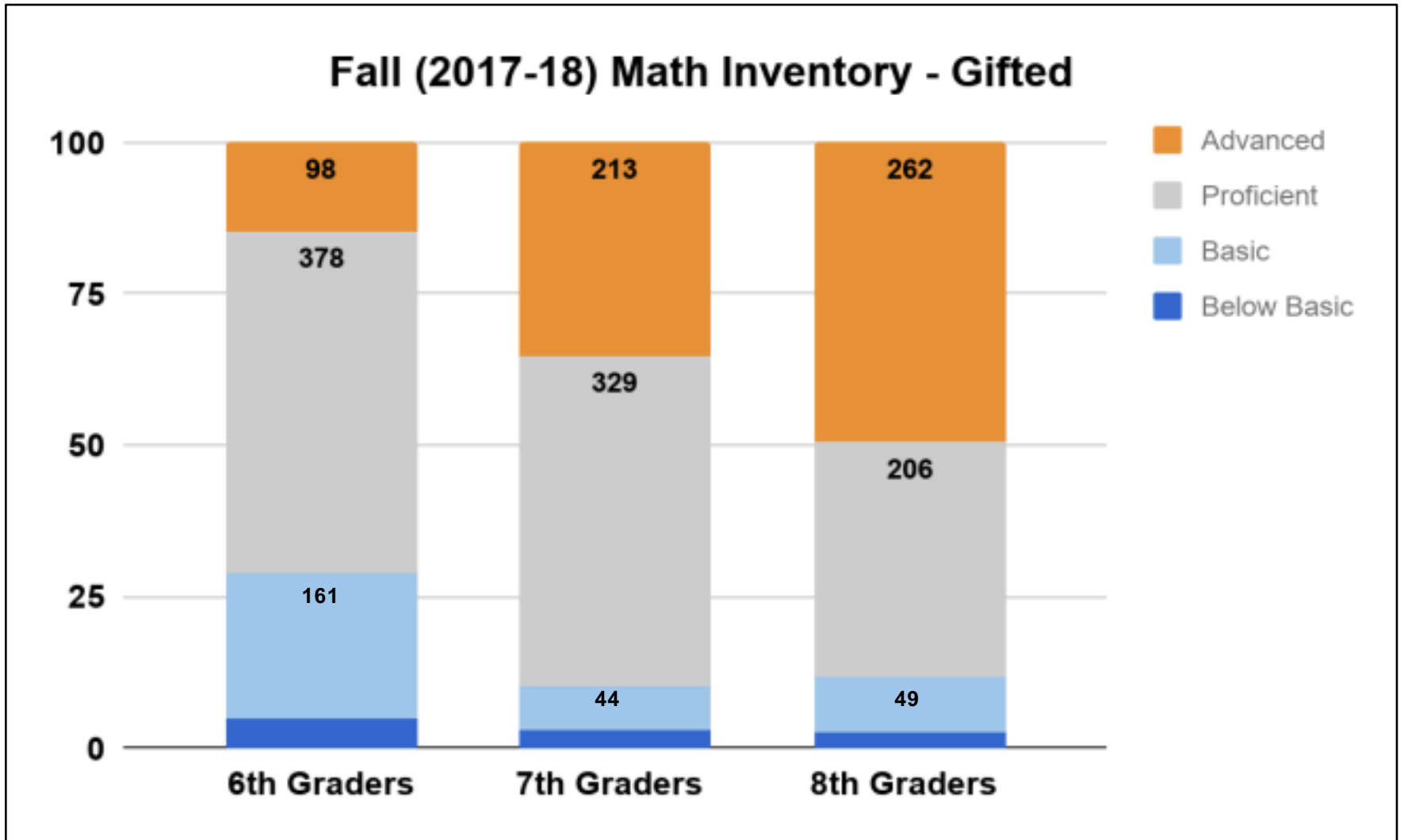


Math Inventory (MI) 3-Year Trend



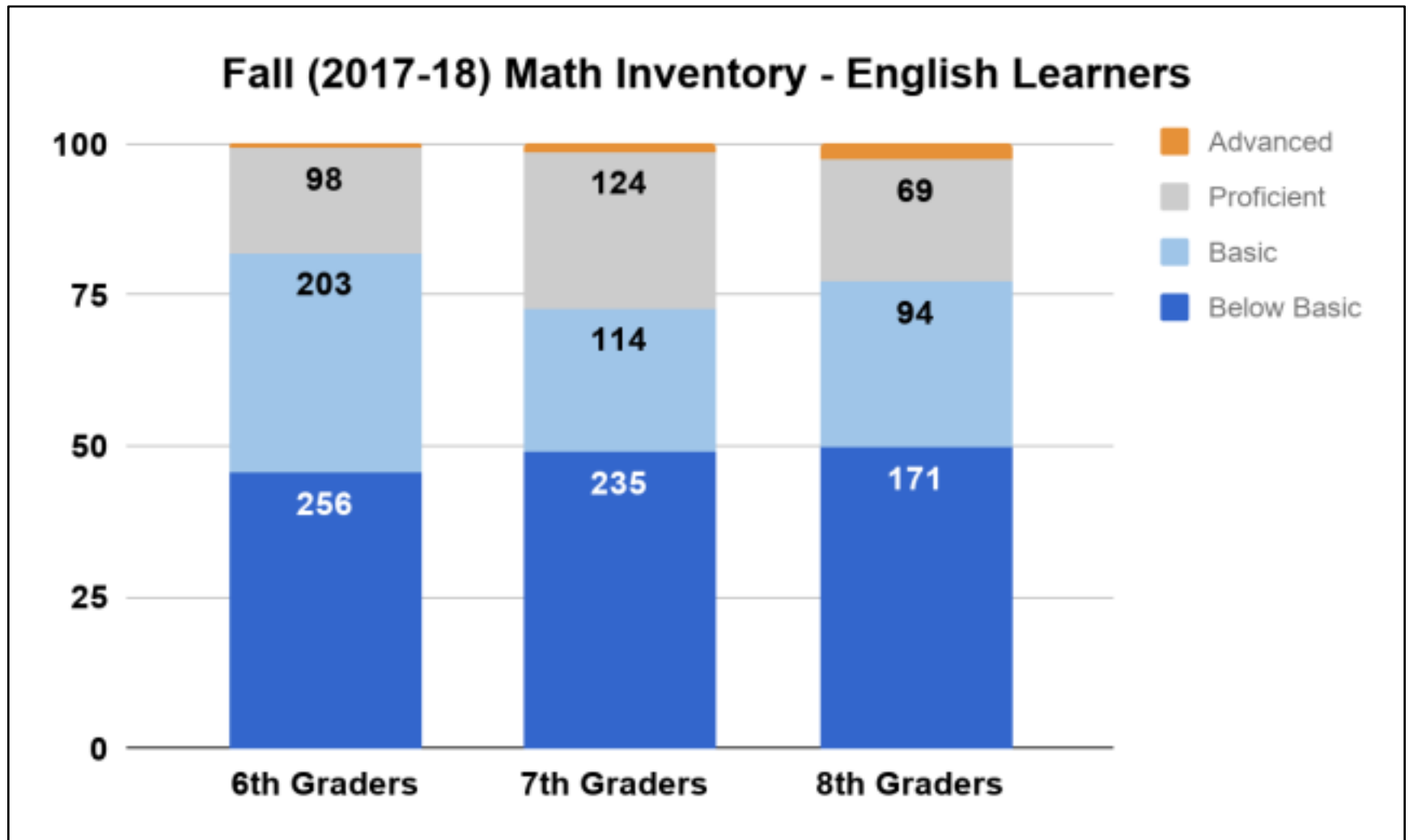


Math Inventory: MS Students Identified as Gifted





Math Inventory: MS Students Identified as English Learners



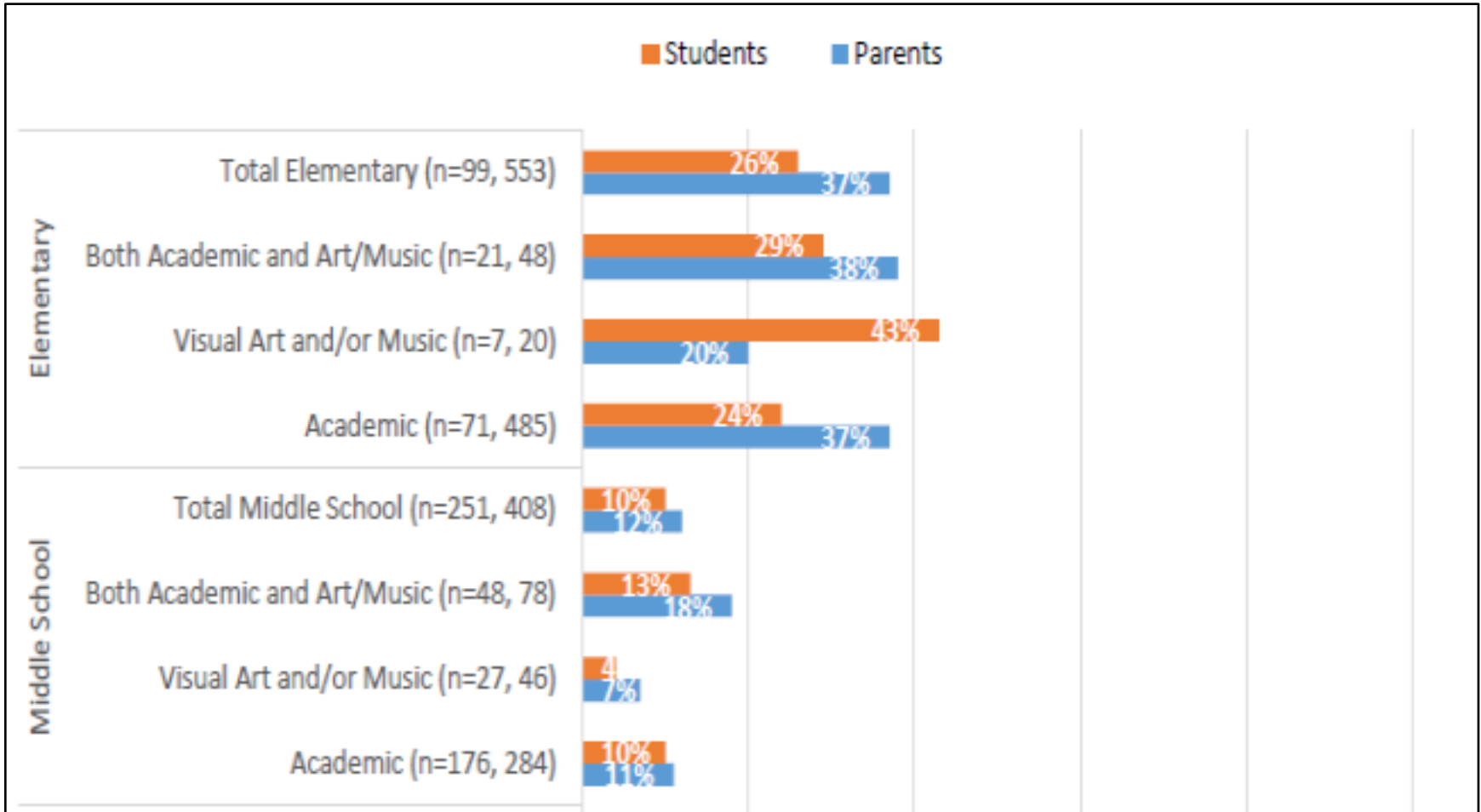
Program Data



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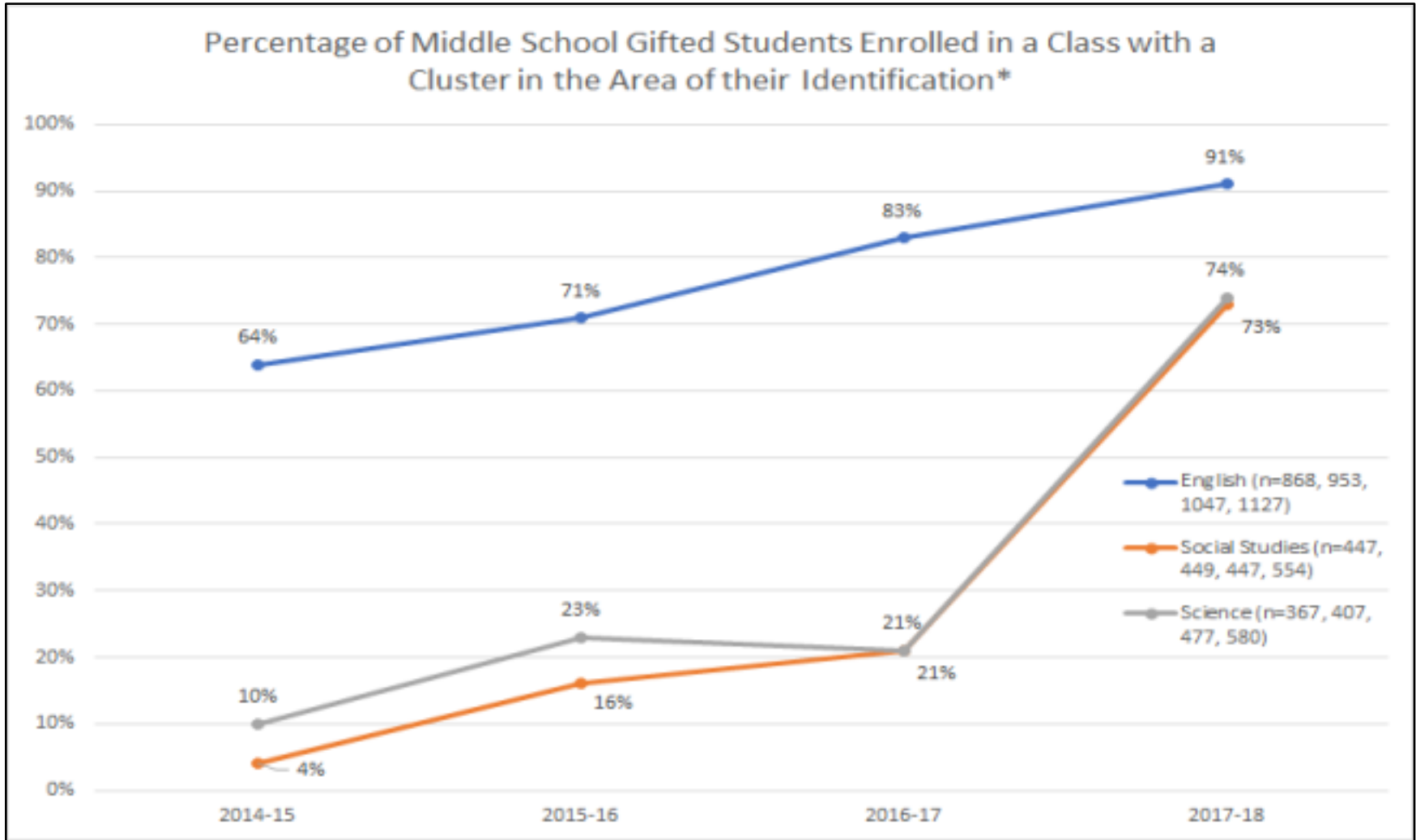
Gifted Services Program Evaluation



My teachers/my child's teachers provide tailored instruction



Gifted Clusters



* represents the number of gifted students each year. For example, in 2014-15, 2015-16, and 2015-16, there were 868, 953, and 1,047 students identified as gifted in English, respectively.



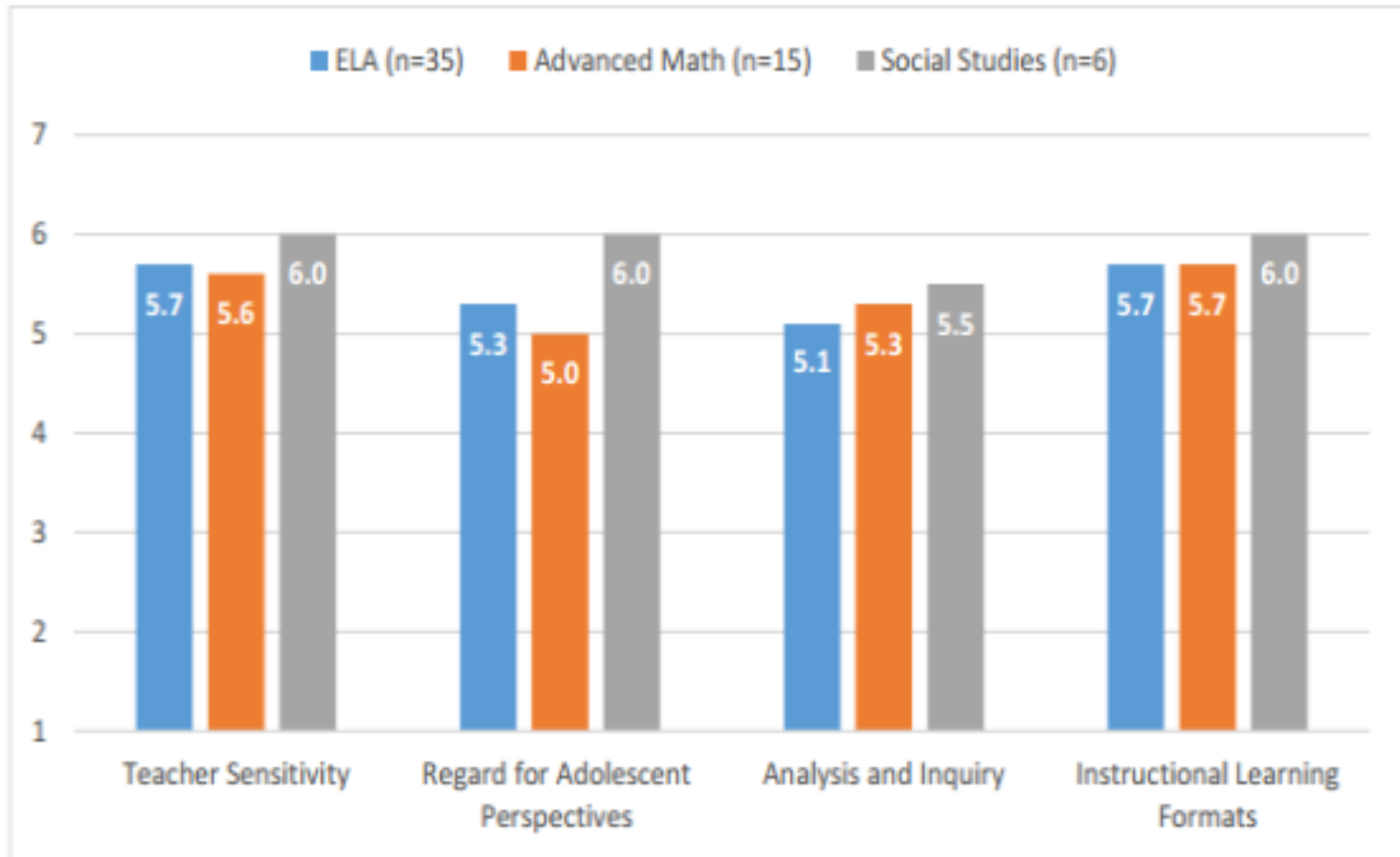
Middle School Teachers' Gifted Points

	# Sections Taught by Teachers Who Have Met Gifted Points Requirement		# Sections Taught by Teachers Who Have Not Met Gifted Points Requirement	
All Middle Schools	313/833	38%	520/833	62%



Gifted Services Program Evaluation

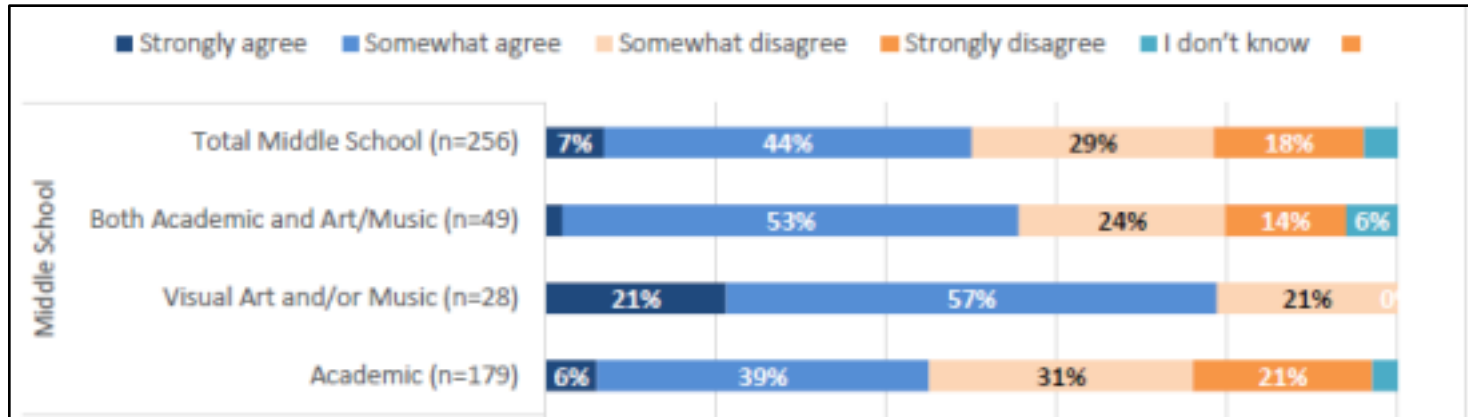
Figure 36: Average Scores for Middle School CLASS Dimensions Relevant to Differentiation



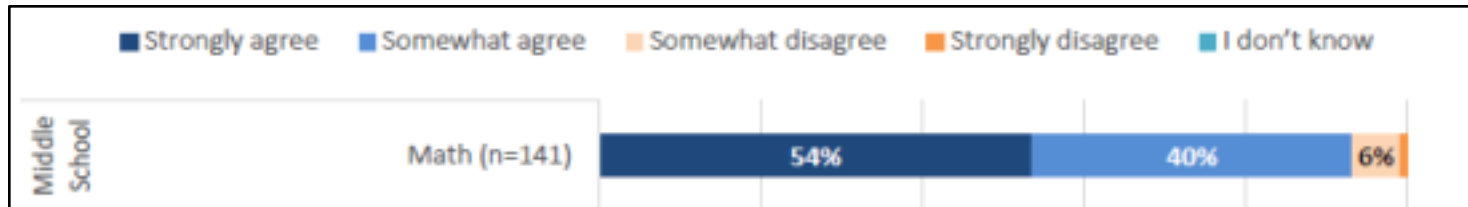


Gifted Services Program Evaluation

Challenge in
general classes
(non-advanced)



Challenge in
advanced class

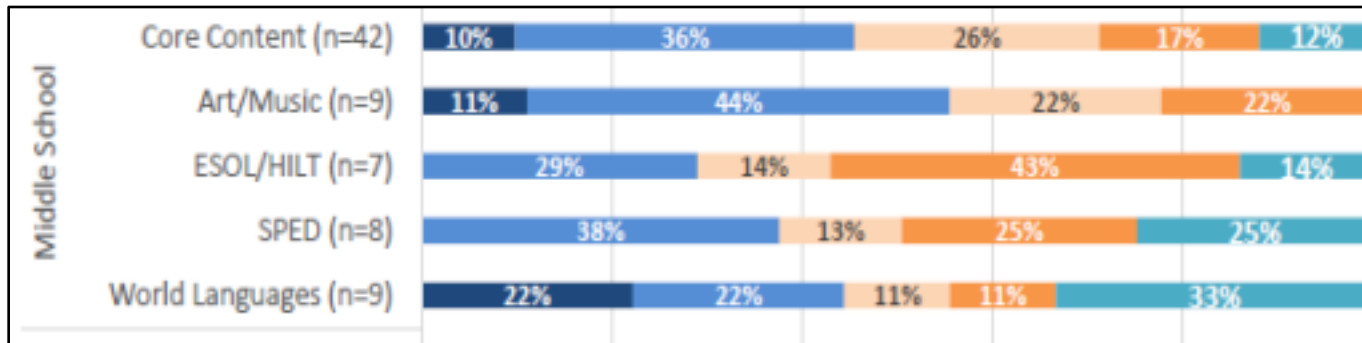




Gifted Services Program Evaluation

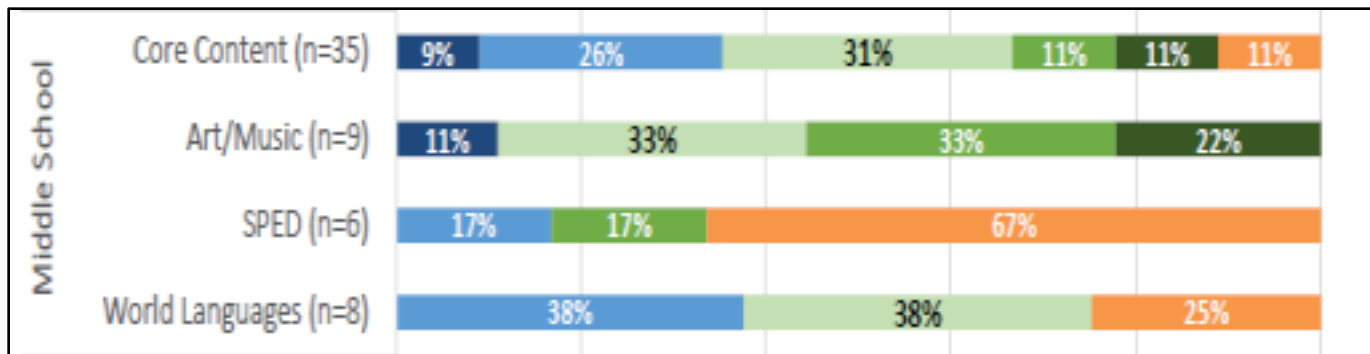
Access to curriculum materials designed for for gifted students

■ Strongly agree ■ Somewhat agree ■ Somewhat disagree ■ Strongly disagree ■ I don't know



Use of curriculum materials designed for for gifted students

■ Daily ■ Once a Week ■ Once a Month ■ Four Times a Year ■ Once or Twice a Year ■ Never



Gifted Models



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Inclusive Gifted Models

Schoolwide Cluster Grouping Model

Total School Cluster Grouping (TSCG): employs differentiation within the framework of inclusion

- Students are clustered in groups of 5 - 8 within a heterogeneously grouped classroom with a teacher who is trained to differentiate for gifted learners

For more information:

[The Schoolwide Cluster Grouping Model](#)

[Improving Performance for Gifted Students in a Cluster Grouping Model](#)

[Gifted Ed. Is Crucial, But the Label Isn't](#)



Inclusive Gifted Models

Schoolwide Enrichment Model (SEM)

Renzulli's Schoolwide Enrichment Model (SEM): a widely used model which appeals to a broader definition of giftedness

- **Type I General Exploratory Activities:** wide variety of disciplines, topics, occupations, hobbies, persons, places, and events that would not ordinarily be covered in the regular curriculum
- **Type II Group Training Activities:** consists of materials and methods designed to promote the development of thinking and feeling processes
- **Type III Individual & Small Group Investigations of Real World Problems:** involves students who become interested in pursuing a self-selected area and are willing to commit the time necessary for advanced content acquisition and process training in which they assume the role of a first-hand inquirer

For more information:

- [SEM Executive Summary](#)



Inclusive Gifted Models

Curriculum Compacting

Developed as part of the Schoolwide Enrichment Model, curriculum compacting can be used as part of multiple models to document content/skills mastered and plan for ongoing growth of learner.

For more information:

- The National Association for Gifted Children: [Curriculum Compacting](#)
- The National Research Center on the Gifted and Talented: [Differentiation Using Curriculum Compacting](#)



Inclusive Gifted Models

Integrated Curriculum Model

VanTassel-Baska's Integrated Curriculum Model (ICM):
development of exemplary curriculum frameworks and units of study for classroom use with high ability learners

- Three features: Overarching Concepts, Advanced Content, Process-Product

For More Information:

- [What Works in Gifted Education](#)
- [William & Mary School of Education](#)



Inclusive Gifted Models

Parallel Curriculum Model (PCM)

Tomlinson's PCM: set of four interrelated designs that can be used singly, or in combination, to create or revise existing curriculum units, lessons, or tasks

Four Parallels:

- Core
- Practice
- Identity
- Connections

For More Information:

- [Using the Parallel Curriculum Model to Develop Thinking](#)
- [Shelby County Schools: An Introduction to the Parallel Curriculum Model](#)



Current Practices

Professional Learning

- Professional learning framework
- Five-hour Professional Learning Cycle
- School coaching and support

Curriculum Review

- Resources listed within unit plans
- Review of middle school ELA and Social Studies courses
- Focus on performance-based assessment, project-based learning, and problem-based learning

Master scheduling considerations

Cluster grouping

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