

# Sparklines, Scatterplots and Slicers meet SWD

Gain insight into your decision  
making with Excel 2010 charts and  
data analysis tools.

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# Our goals for Today:

- Examine the new Excel 2010 feature, sparklines
- Examine the uses of conditional formatting to add meaning to tables
- Examine the Scatterplot feature with Chart Labels
- Examine the uses of Slicers, new with Excel 2010, on Pivot tables
- Examine ways that Pivot Tables can make data analysis easier.

# Sparklines

- **Focus on Systems**
- **Focus on Schools**
- **Focus on Students**
  - **Choose students for CRCT-m with Sparklines**
  - **Look at student trends with Sparklines**
  - **Customizing Sparklines**
- **Examples**
- **Activity: Create Sparklines for SWD Math students**

2008 MATH SS	2009 MATH SS	2010 MATH SS	SPARKLINE MATH SS
850	860	869	
852	819	788	
<u>801</u>	<u>800</u>	776	
<u>800</u>	<u>804</u>	<u>806</u>	
<u>806</u>	845	<u>809</u>	
<u>810</u>	819	829	
<u>806</u>	850	829	

# Conditional Formatting Adds Meaning to Tables

- Setting the rules
- Using preset rules
- Examples
- Activity: Use conditional formatting on a set of student level data.

CRCT Score Range	Format color
<b>650-789</b>	<b>Red</b>
<b><u>790-810</u></b>	<b><u>Yellow</u></b>
811-849	Clear
<b>850-950</b>	<b>Green</b>

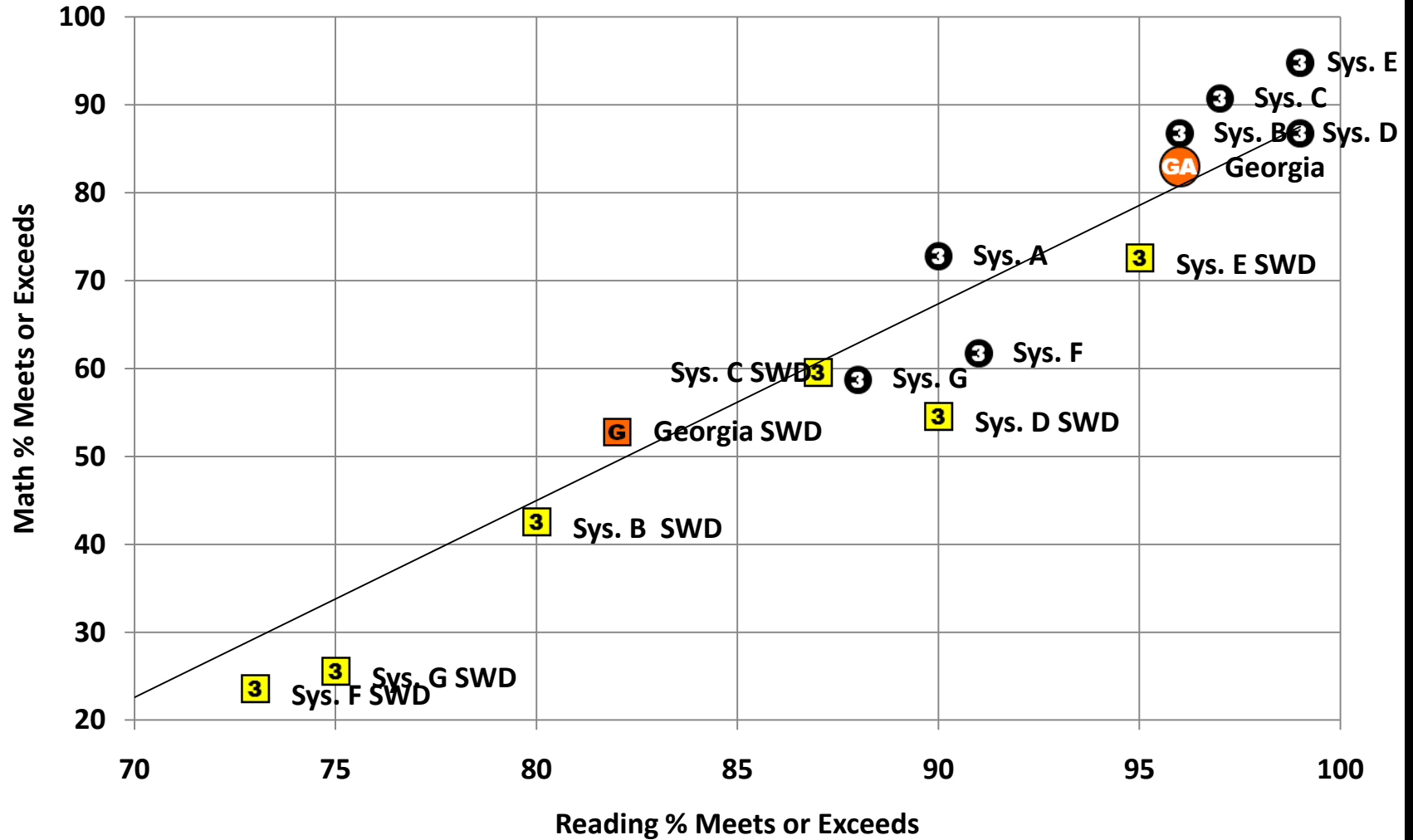
Student Last Name	Student First Name	SWD	Student Grade Level	2008 REASS	2009 REASS	2010 REASS	SPARKLINE READING SS	2008 MATH SS	2009 MATH SS	2010 MATH SS	SPARKLINE MATH SS
RESA01	CUTIE	Y	3	827	823	<b>850</b>		<b>850</b>	<b>860</b>	<b>869</b>	
RESA02	CUTIE	Y	3	<b>850</b>	<b>850</b>	829		<b>852</b>	819	<b>788</b>	
RESA03	CUTIE	Y	3	<u>790</u>	<u>800</u>	<b>850</b>		<u>801</u>	<u>800</u>	<b>776</b>	
RESA04	CUTIE	Y	3	<u>809</u>	823	<u>801</u>		<u>800</u>	<u>804</u>	<u>806</u>	
RESA05	CUTIE	Y	3	<b>781</b>	819	819		<u>806</u>	845	<u>809</u>	
RESA06	CUTIE	Y	3	<u>804</u>	<u>803</u>	813		<u>810</u>	819	829	
RESA07	CUTIE	Y	3	818	<b>851</b>	<b>875</b>		<u>806</u>	<b>850</b>	829	
RESA08	CUTIE	Y	3	<b>775</b>	<b>767</b>	819		<b>769</b>	<b>778</b>	<b>785</b>	

# Scatterplots with Chart Labels

## Non-SWD and SWD

- Focus on Systems
- Focus on Schools
- Focus on Grade Levels
- Installing the XY ChartLabeler
- Using custom markers
- Activity: Create a scatterplot for Grade 3 students SWD and Non-SWD

# CRCT 2010 Reading vs. Math Grade 3





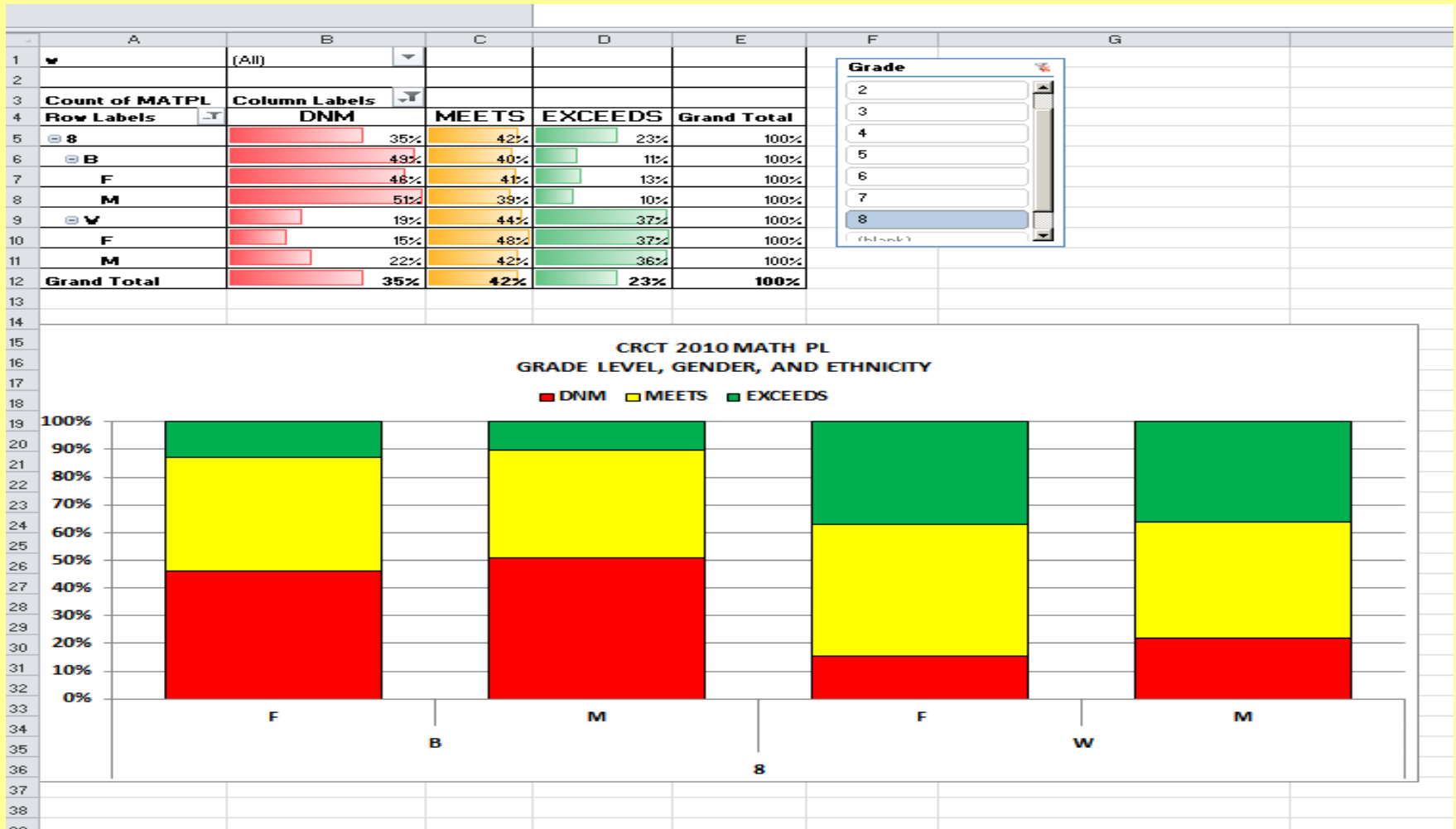
# Sorting and filtering with Pivot Tables

- Disaggregate your data in a hurry with pivot tables and charts
- Use the Slicer function to focus data from system to schools
- Helps you to understand root cause
- Leads you to the right intervention
- Measure results after intervention
- Examples
- Activity: Create a pivot table and use the slicer to analyze system wide Math data

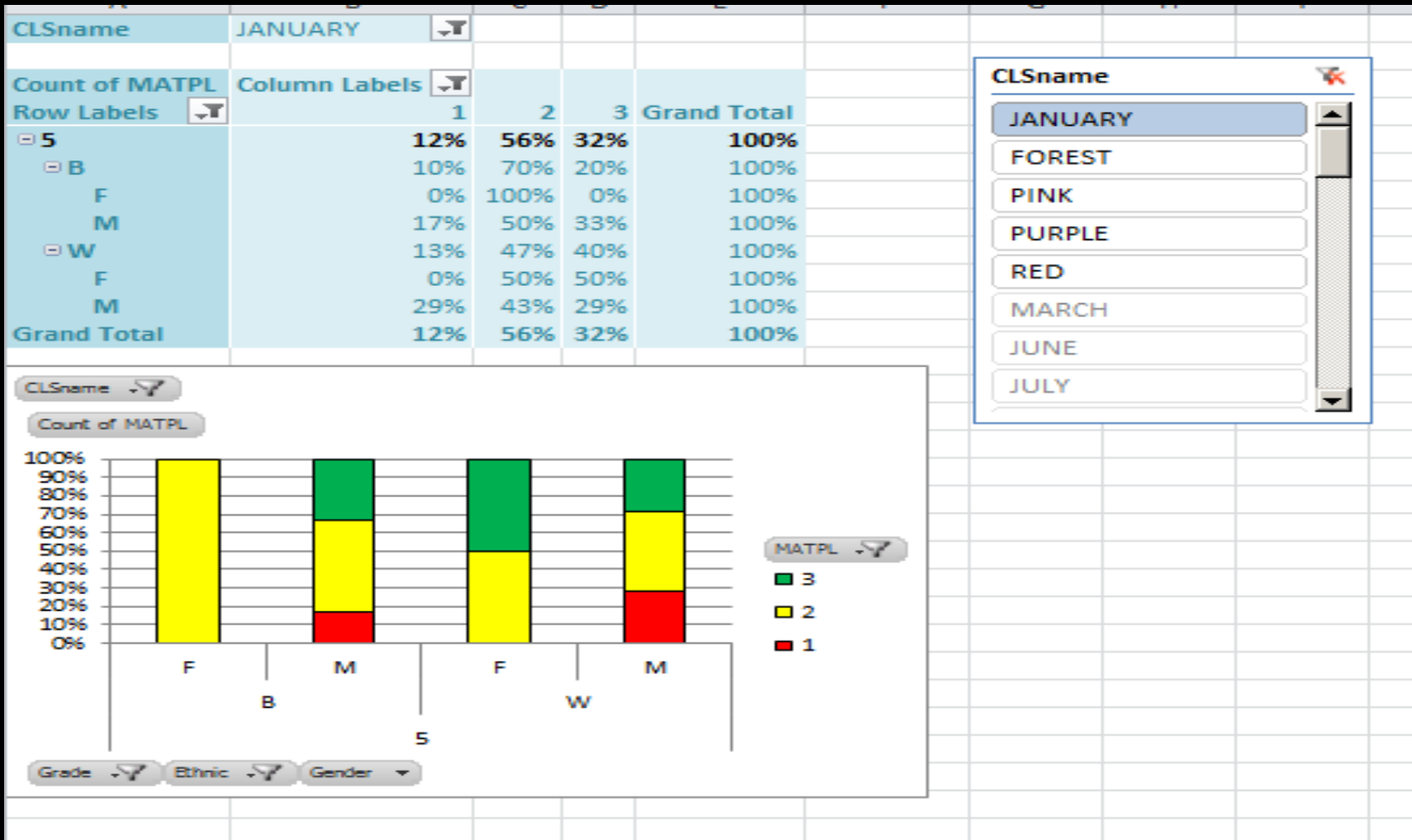
# Pivot Table Data

CL Sname	Grade	Lname	Fname	Ethnic	Gender	IEP	MA Tss	MA TPL	MA Tscore	MA TNum	MA TTOT%	NORaw	NONum	NUM-OP%	MeasRaw	MeasNum	MEAS%	GeoRaw	GeoNum	GEOM%
FORES	5	STUDENT	SATURDAY	W	F		831	2	43	60	72%	19	23	83%	12	19	63%	2	6	33%
FORES	5	STUDENT	TUESDAY	B	M	1	742	1	12	60	20%	3	23	13%	4	19	21%	0	6	0%
FORES	5	STUDENT	FRIDAY	W	M		844	2	47	60	78%	18	23	78%	14	19	74%	6	6	100%

# Pivot Table and Chart with Grade, Ethnicity, and Gender



# Pivot Table and Charts with Slicers for Class Teachers



# Production Tips

- Creating Templates to save time
- Creating series of tables and charts with Pivot Tables
- Using chart templates to add charts to your tables

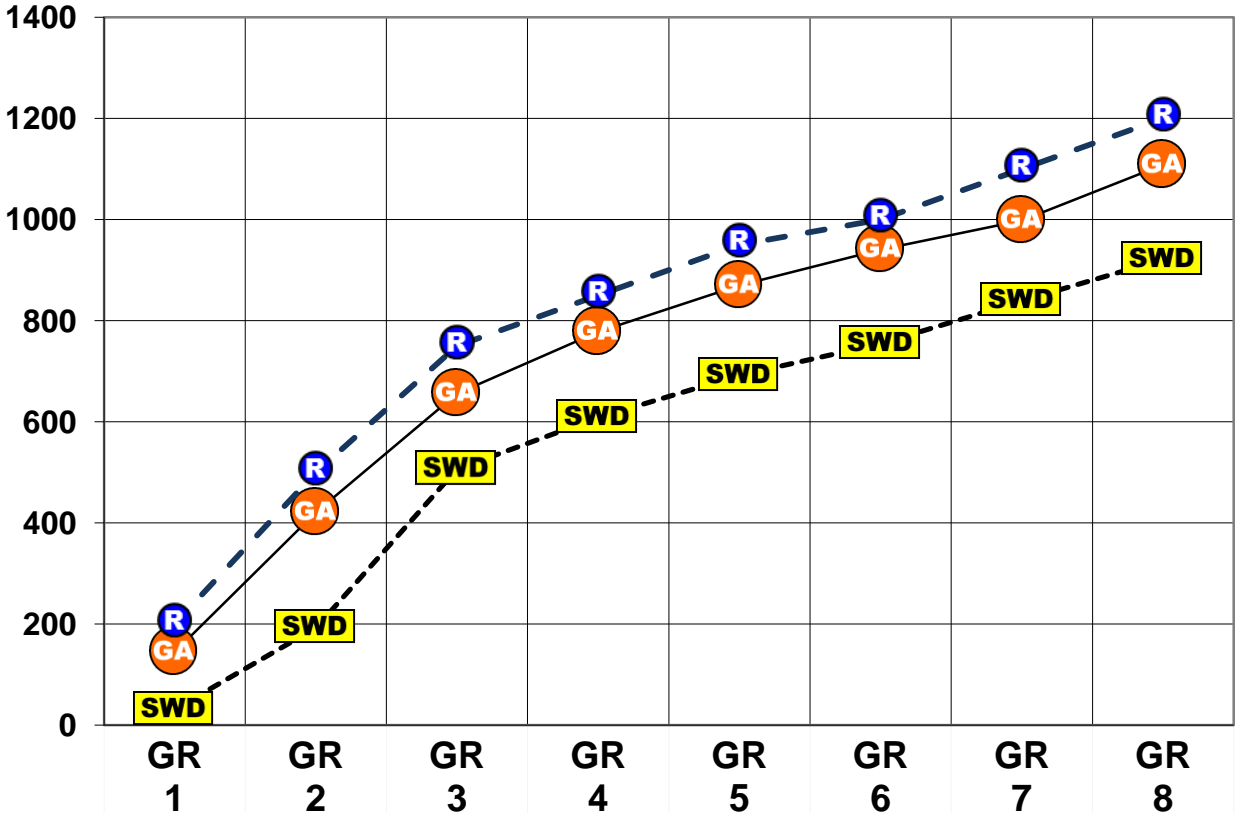
# Lexiles and Line Charts

- Lexiles and Line Charts
- Look at domains with Line Charts
- The importance of comparison to GA
- Examples

# Average Lexile Score CRCT 2010

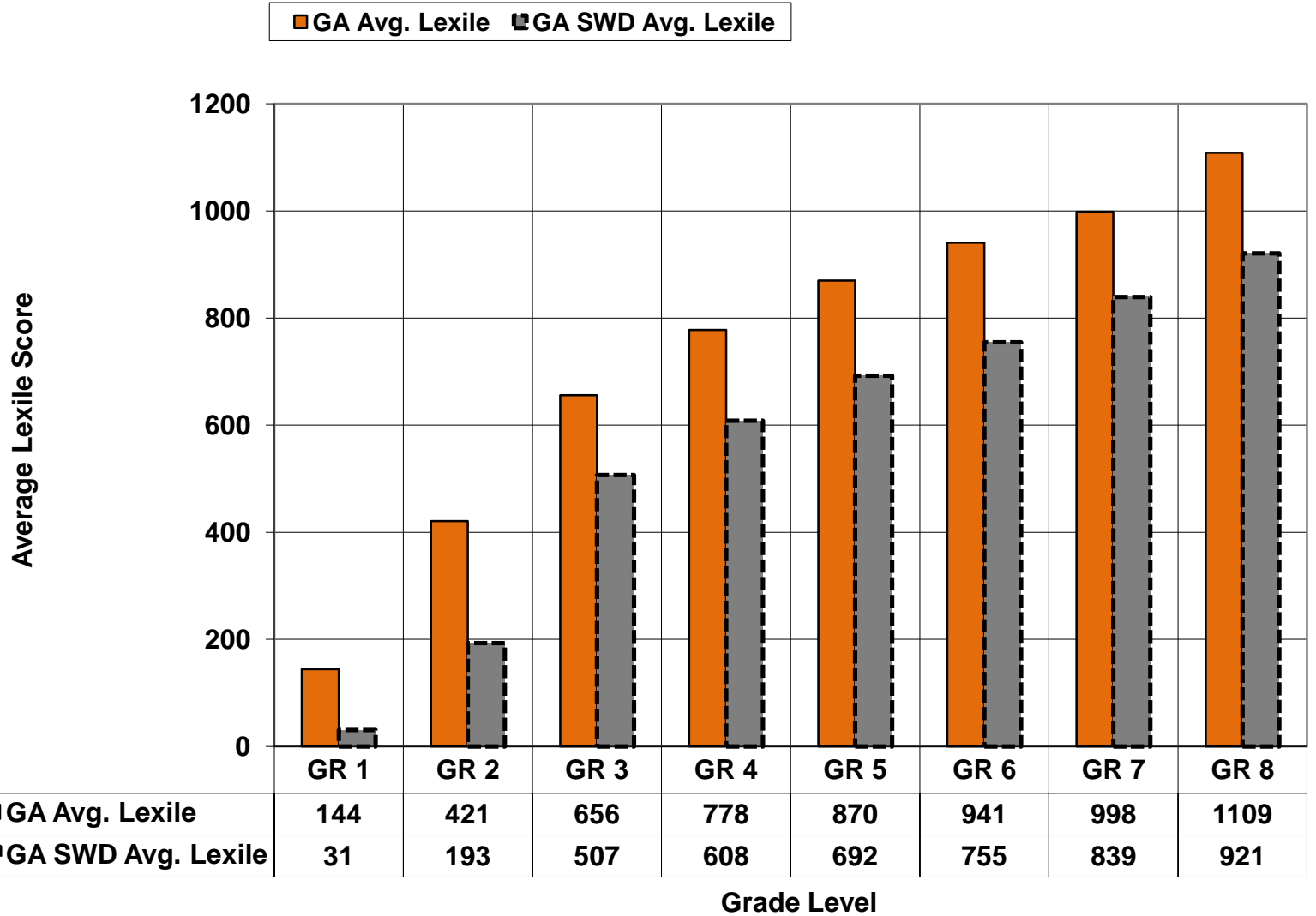
● GA Avg. Lexile   
 ■ GA SWD Avg. Lexile   
 ● RESA Sys. AVG.

Average Lexile Score



<span style="color: orange;">●</span> GA Avg. Lexile	144	421	656	778	870	941	998	1109
<span style="color: yellow;">■</span> GA SWD Avg. Lexile	31	193	507	608	692	755	839	921
<span style="color: blue;">●</span> RESA Sys. AVG.	200	500	750	850	950	1000	1100	1200

## Average Lexile Score CRCT 2010



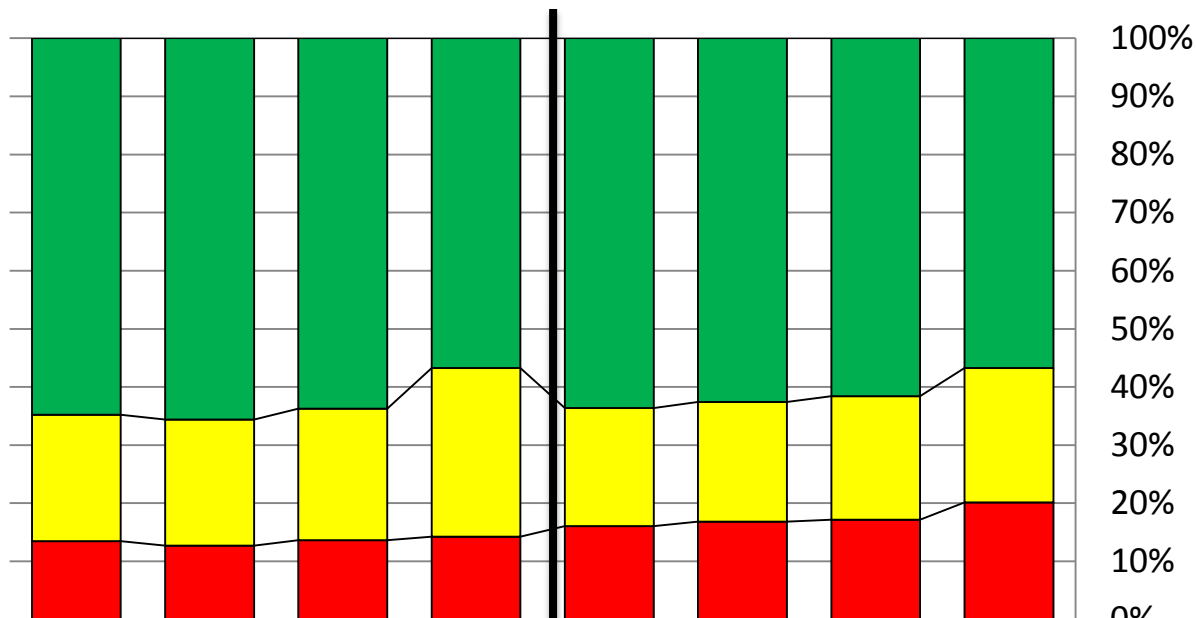


# LRE passes the bar

- LRE bar charts for systems
- LRE bar charts for schools
- Examples
- Activity: Create a LRE bar chart from Data Warehouse Data

## MIDDLE GEORGIA RESA SWD Environment % of Time in Classroom Student Count

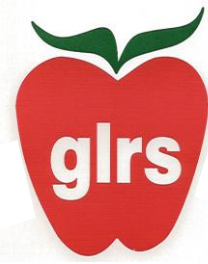
■ Less Than 40 Percent    
 ■ Between 40 and 79 Percent    
 ■ Over 80 Percent



	2010	2009	2008	2007	2010	2009	2008	2007
	Middle GA RESA				Georgia			
Over 80 Percent	2,620	2,766	2,790	2,545	99,049	99,563	102,569	97,766
Between 40 and 79 Percent	881	913	989	1,300	31,653	32,838	35,419	39,811
Less Than 40 Percent	544	536	598	639	25,036	26,766	28,540	34,664

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