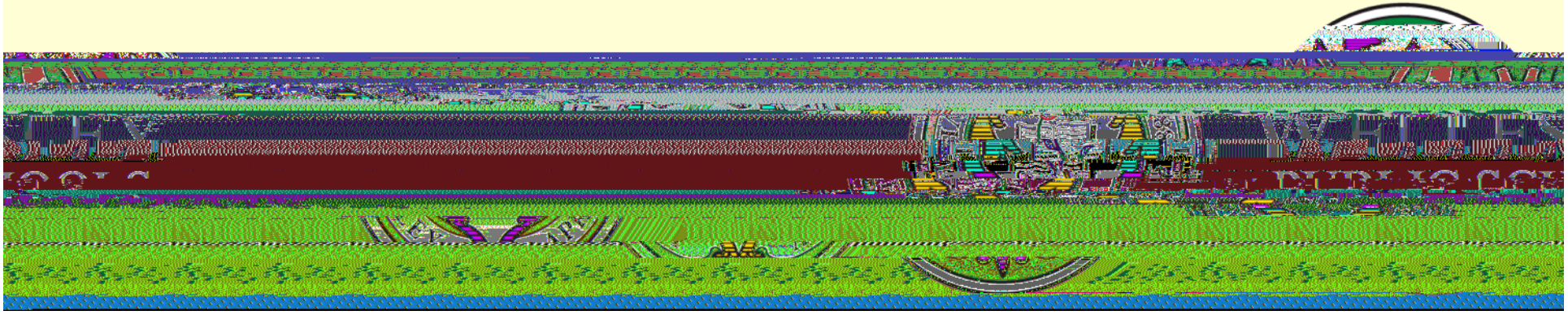
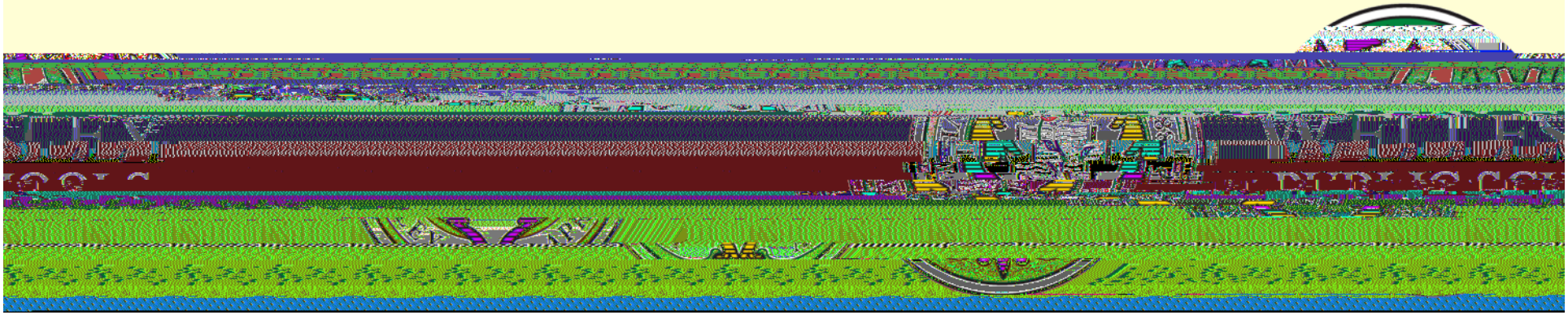
Wellesley Public Schools
2013 MCAS Results

School Committee Presentation
10/8/2013



Guiding Questions

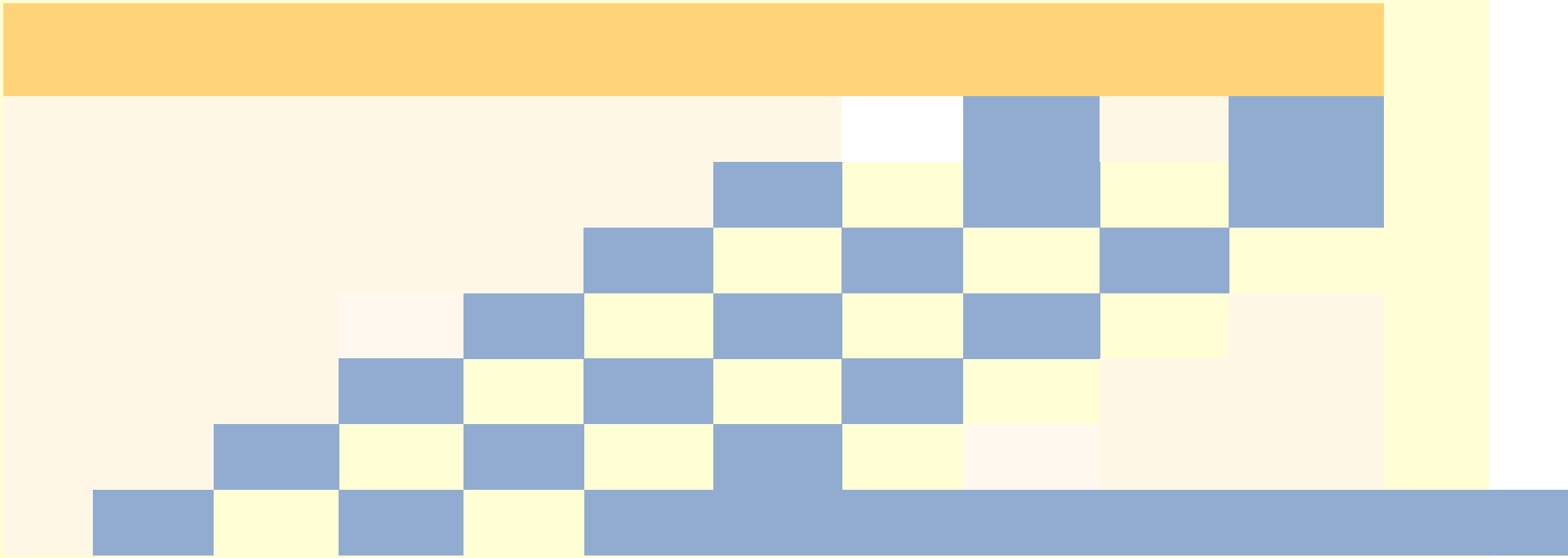
2013 MCAS R5S (s) 0 28



2013 District Results
English Language Arts (ELA)

English Language Arts
History of % Scored at Advanced & Proficient Levels

English Language Arts
History of % Scored at
Advanced & Proficient Levels



MCAS Item Samples

4th grade

Higher than state average

YOU ROCK!

by Elizabeth L. Ward

You're high up in the air, facing a rock cliff. One chalky hand grips a piece of the cliff; the other slips into a crack. You wear climbing shoes and brace both feet against the surface.

Too busy to look down at the ground, you call, "Slack!"

Your partner feeds you more rope and calls back, "Climb on!"

"Climbing!" you shout, and pull yourself up the final few inches to the top. Now it's time to look down and enjoy the goose bumps. You're a rock jock.

What is the main purpose of paragraphs 1–4?

A. to tell readers why they should climb
B. to show readers what climbing is like
C. to describe why it is difficult to climb
D. to explain how to stay safe while climbing

10th grade

Lower than state average

from Ah-Choo!

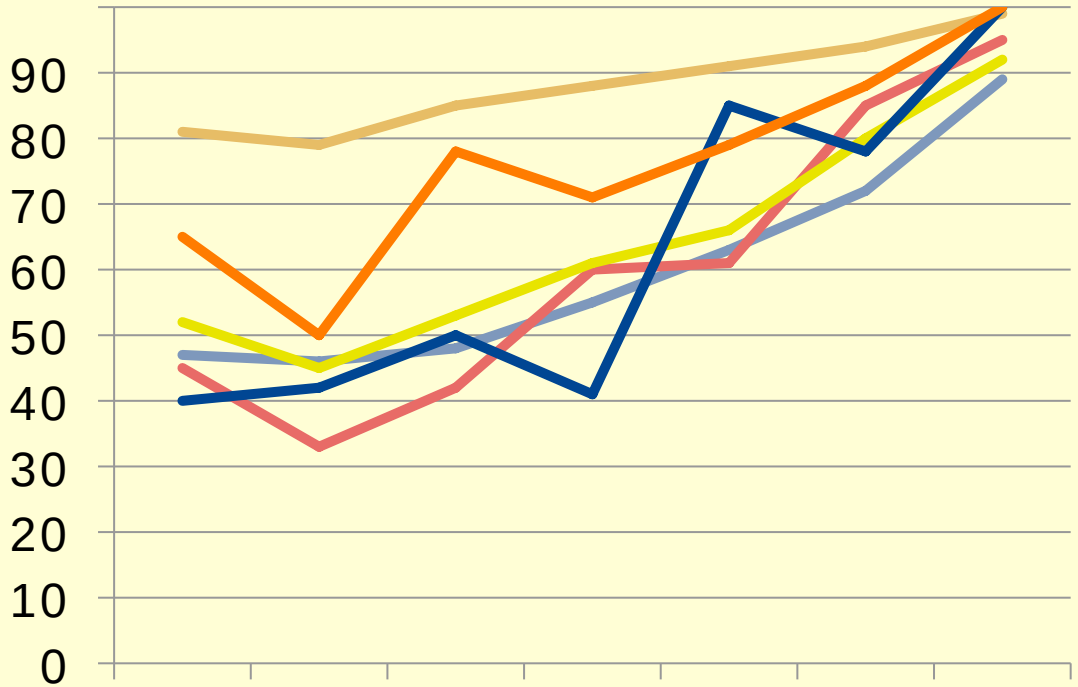
by Jennifer Ackerman

But even households without kids are hardly bug-free. In sleuthing germs in 15 homes, Gerba discovered that the cleanest spot in the house—at least where bacteria are concerned—was the toilet seat; the dirtiest, the sponge or drain. "The cutting board was very bad," he writes. "There are 200 times more faecal coliforms [bacteria] on a cutting board than a toilet seat. From these data it would appear that the safest place to make a salad in the home seems to be on the top of the toilet seat."

paragraph

What is the main irony in

2013 District-wide % of Students Achieving Advanced or Proficient in ELA by Subgroup



2012 District Results
Mathematics

Mathematics
History of % Scored at
Advanced & Proficient Levels

Gr.	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013

Mathematics
History of % Scored at
Advanced & Proficient Levels

Gr.	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
10	92	93	90	94	91	95	98	96	98	96
8	80	76	66	75	82	73	76	82	81	75
7			72	79	74	66	76	71	76	74
6	81	80	81	86	76	79	80	80	76	84
5			73	74	72	80	77	74	75	80
4	72	68	59	67	77	67	62	66	67	78
3										

% of Students Achieving Advanced or Proficient in Math by Subgroup

	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 10
All	83	78	80	84	74	75	96
Students w/ disabilitites	50	41	39	38	22	30	75
ELL and Former ELL	73	N/A	N/A	N/A	40	N/A	N/A
Low Income	60	29	48	63	28	38	84
High Needs	57	43	45	49	28	41	80

Science and Technology/Engineering History of % Scored at Advanced & Proficient Levels

+15

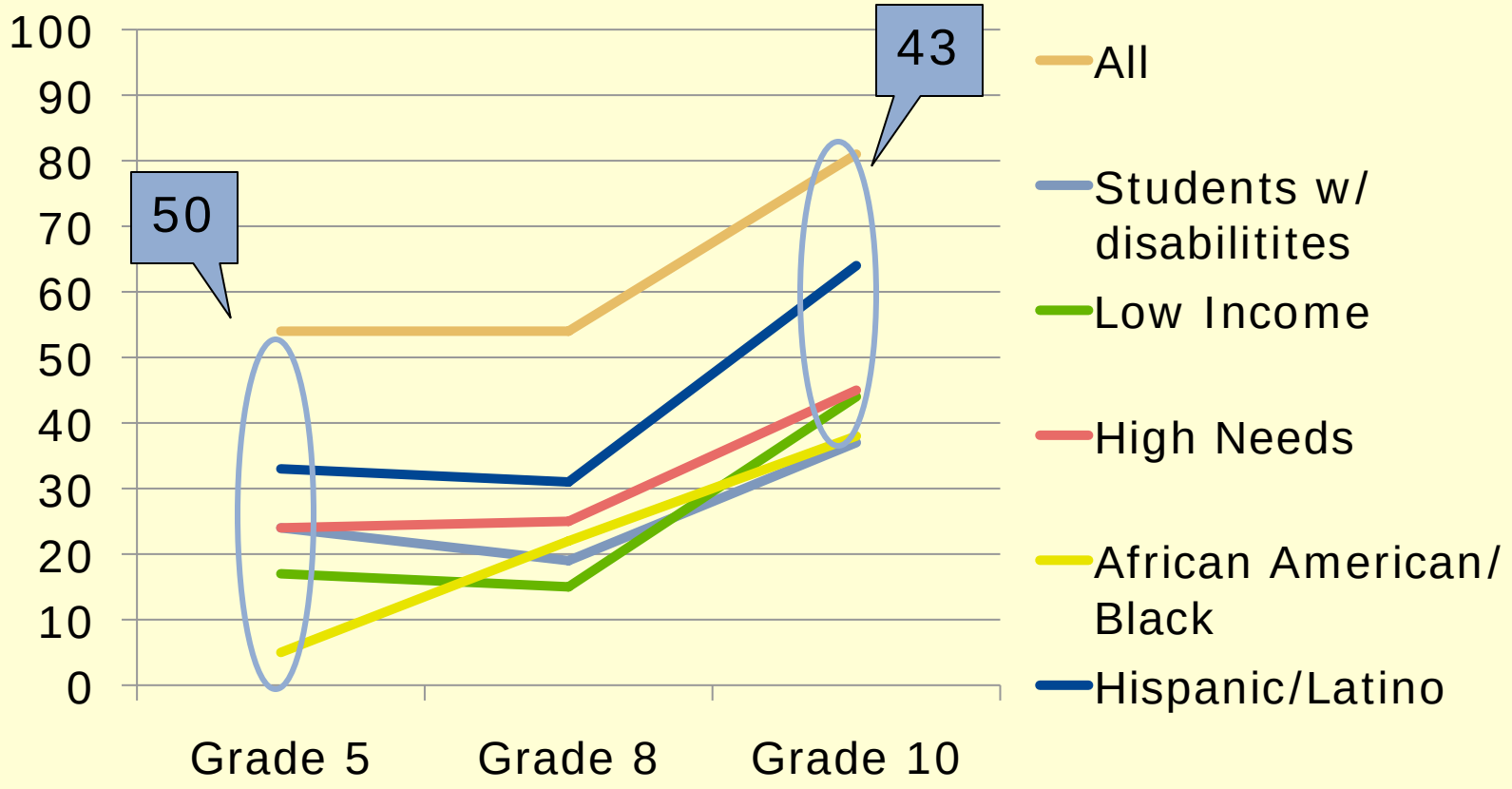
Gr.	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
10					74	77	77	79	75	81
8	56	65	56	39	58	44	44	41	65	55
5	69	69	64	70	62	58	64	58	63	55

Grade 5 are district results; Grades 8 & 10 are school results.

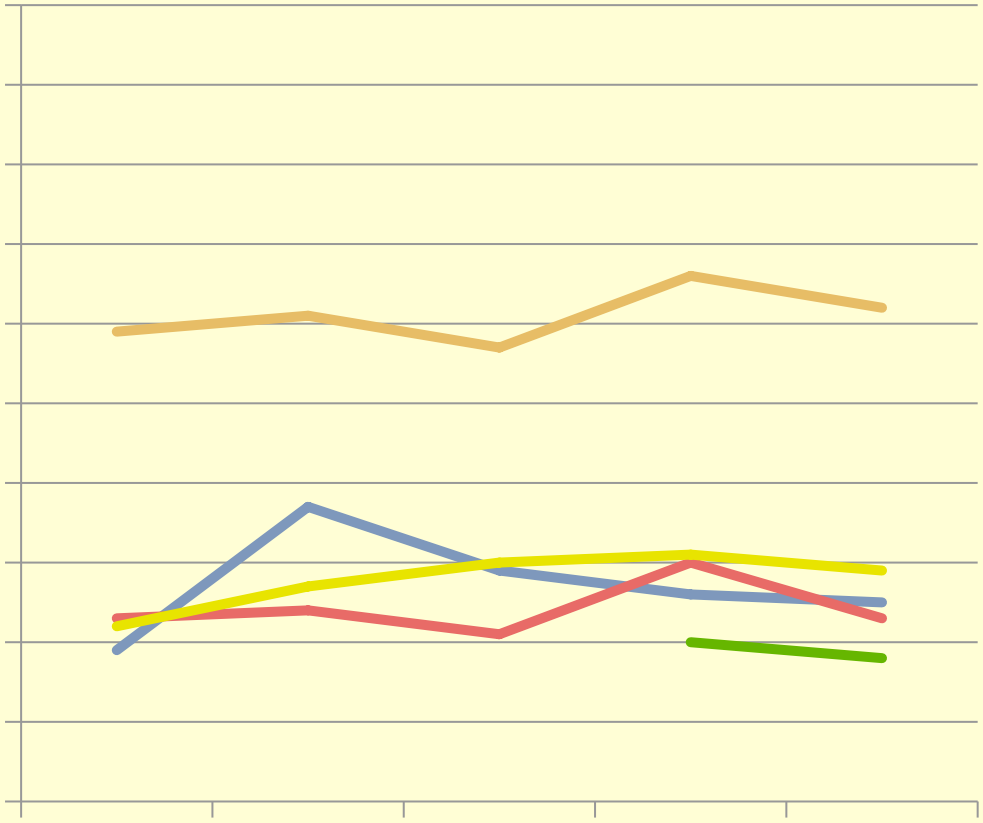
% of Students Achieving Advanced or Proficient in Science by Subgroup

	Grade 5	Grade 8	Grade 10
All	54	54	81

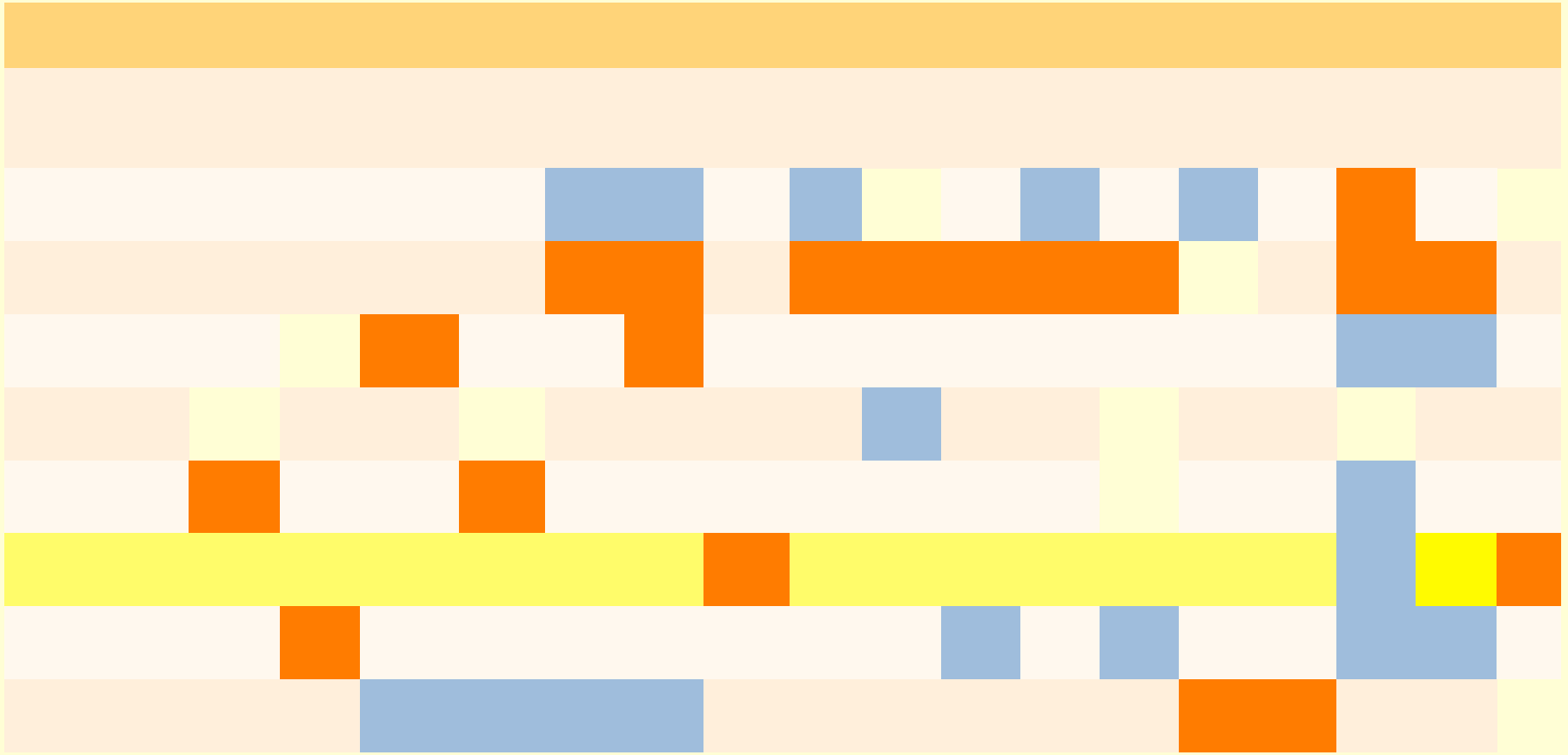
2013 District-wide % of Students Achieving Advanced or Proficient in Science by Subgroup & Grade Level



2009-2013 District-wide Reduction in Gaps Over Time to Proficiency in Science



MCAS 2013 District Comparisons – % of Students Achieving Advanced or Proficient



MCAS 2013 District Comparisons – % of Students Achieving Advanced or Proficient

Student Growth Percentiles (SGP)
2013 MCAS Results

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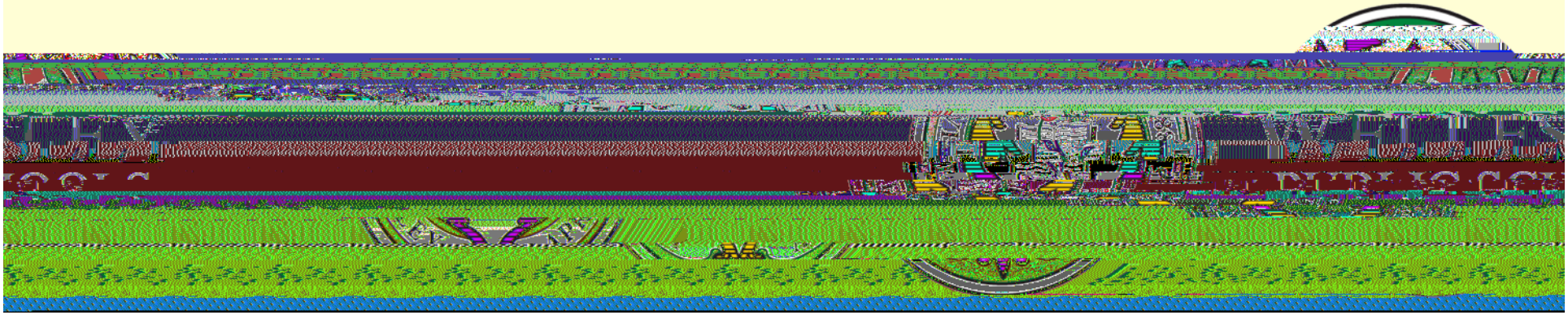


Student Growth Percentiles (SGP)

A measure of growth relative to a state-wide peer group with similar historical performance.

A student in the 60th percentile for Grade 5 Math, showed stronger growth than 60% of students who had similar scores on the Grades 3 & 4 assessments.

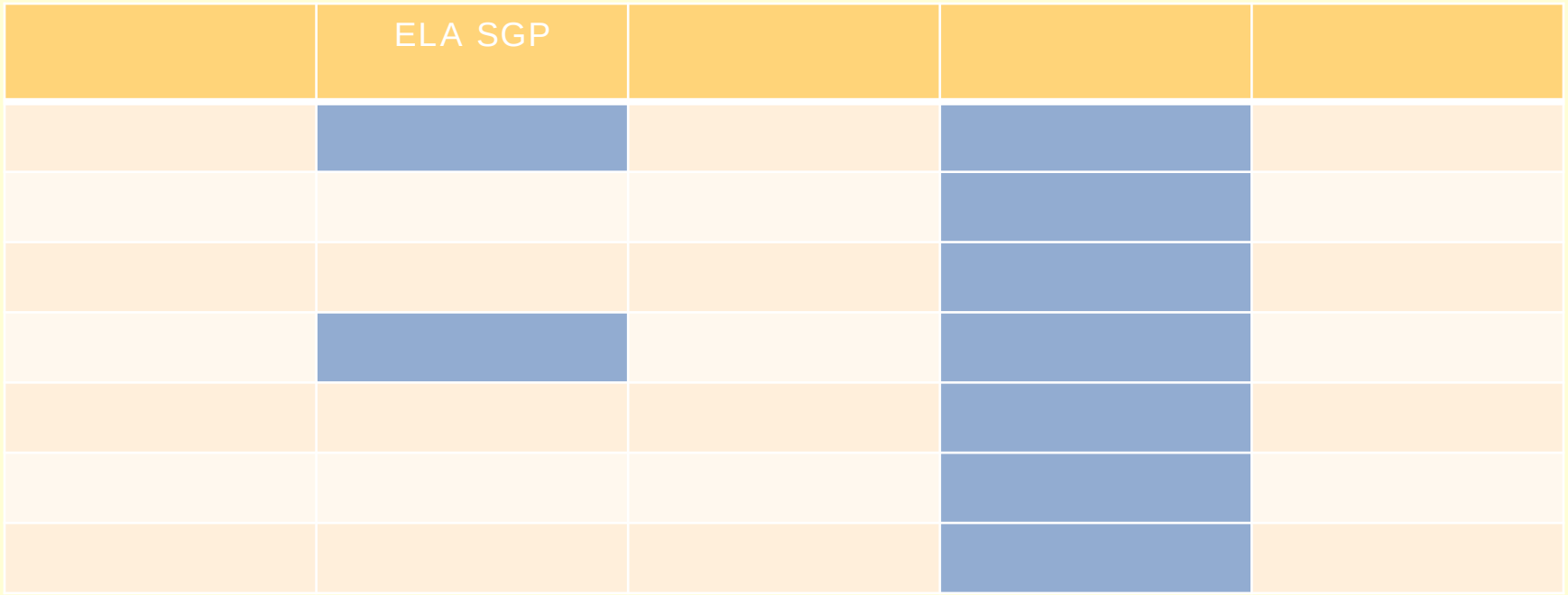
ELA & Math only.

Subgroups reported only when N >= 20.

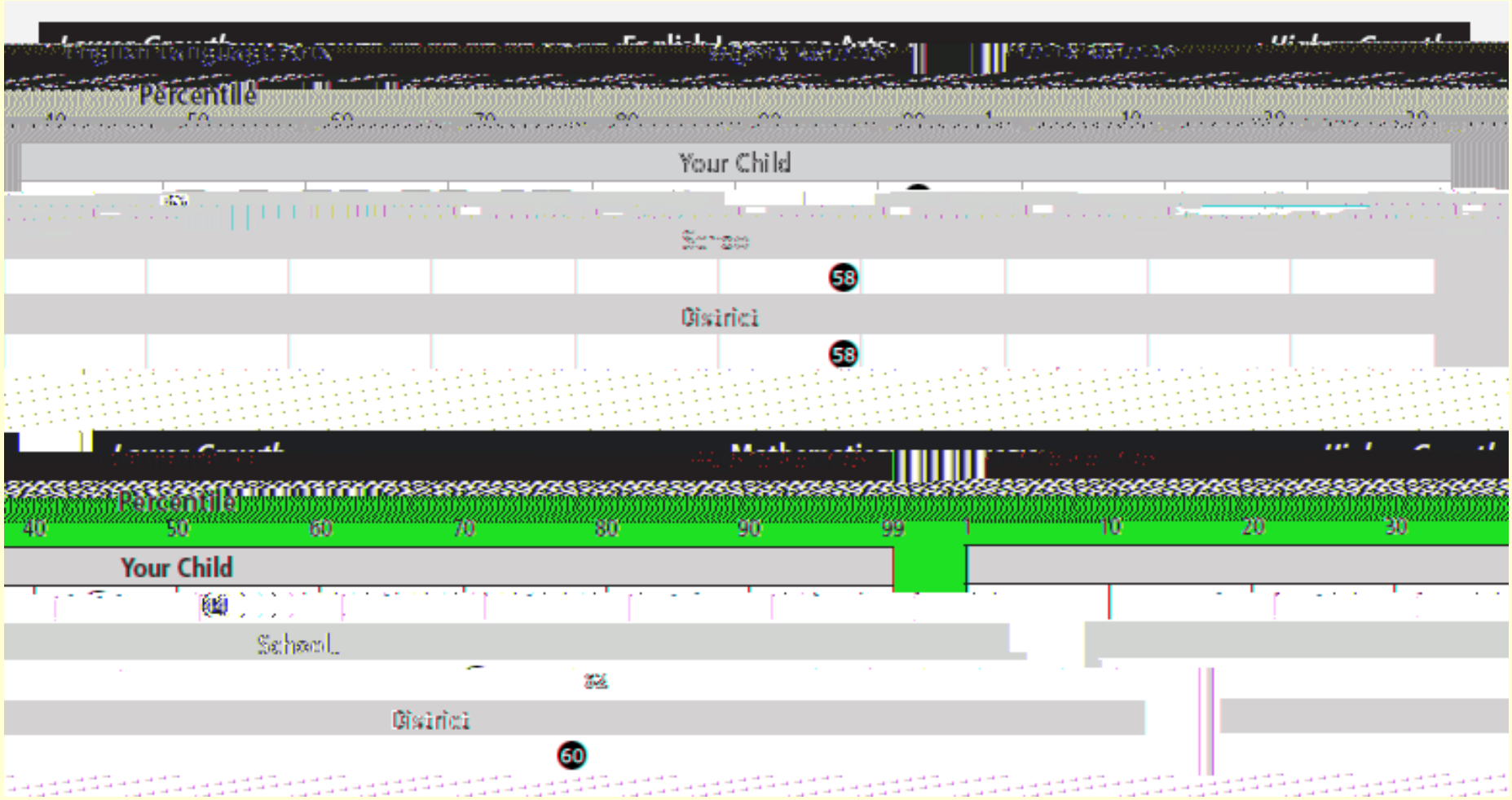
Department of Elementary and Secondary Education
Growth Percentile Ranges

<20th Percentile	Very Low Growth
20th-40th Percentile	Low Growth
40th-60th Percentile	Typical Growth
60th-80th Percentile	High Growth
>80th Percentile	Very High Growth

2013 District Median SGP by Grade



Student Growth Percentiles
2013 MCAS Parent/Guardian Report Sample



Progress and Performance Index (PPI) 2013 MCAS Results

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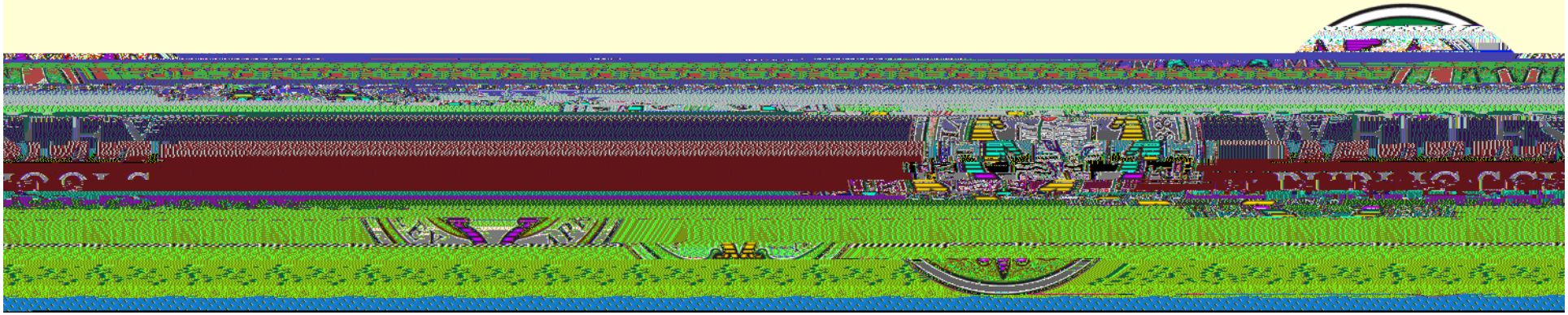

Progress and Performance Index (PPI)

Progress and Performance Index, or PPI, includes data on narrowing proficiency gaps, growth (SGP), MCAS participation, graduation rates and dropout rates.

Measure	Overall Goal	Annual Target
PPI	Schools/Districts must narrow achievement gaps by 50% over a six-year period (2011-2017)	Level 1: PPI of 75+ Level 2: PPI <75 or low-MCAS participation

School	PPI All	PPI High Needs	Level	Notes
Bates	100	N/A	Level 1	Meeting gap narrowing goals
Fiske	96	69	Level 2	All: Met Target; High Needs: Did Not
Hardy	86	86	Level 1	Meeting gap narrowing goals
Hunnewell	82	79	Level 1	

2012 District PPI and Accountability Level by Subgroups identified for gap reduction

Student Group	PPI (1-100)	Progress Toward Target

Implications

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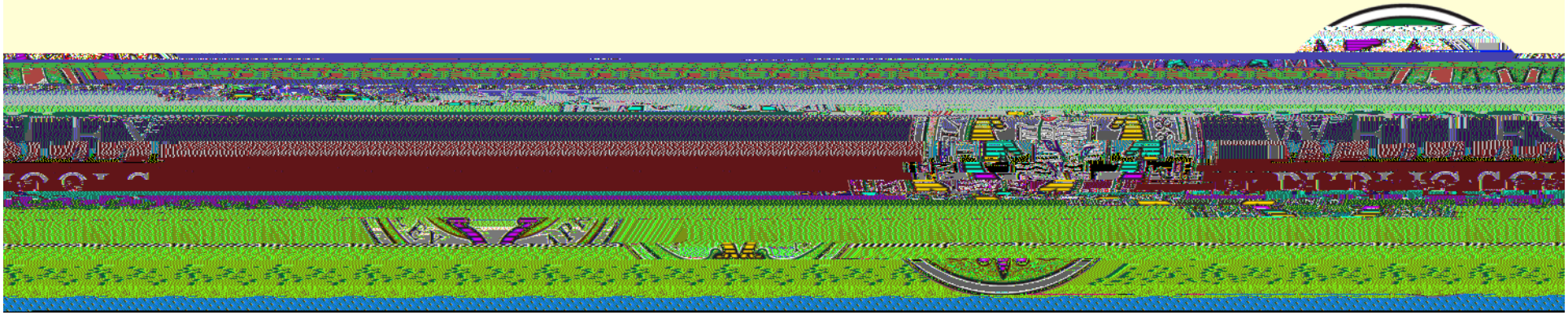

Content-based Interventions

English Language Arts Support for Students

- Literacy specialists and reading interventionists at each school
- Diagnostic tools (AIMSweb, Fountas & Pinnell at elementary level) &
- .5 Coordinator to guide coaching practices & data use
- Reading specialists at middle and high school

Mathematics Support for Students

- WHS: Math Plus course, Co-taught math classes
- WMS: Math Intervention Specialist, ALEKs
- ES: Numeracy Assessments, grades 1 & 2
- .5 Coordinator to guide coaching practices & data use

Science and Tech/Engineering (STE) Support for Students

- WMS summer science class for Boston & Wellesley residents
- WHS Science labs

Science Curriculum Alignment Update (case study)

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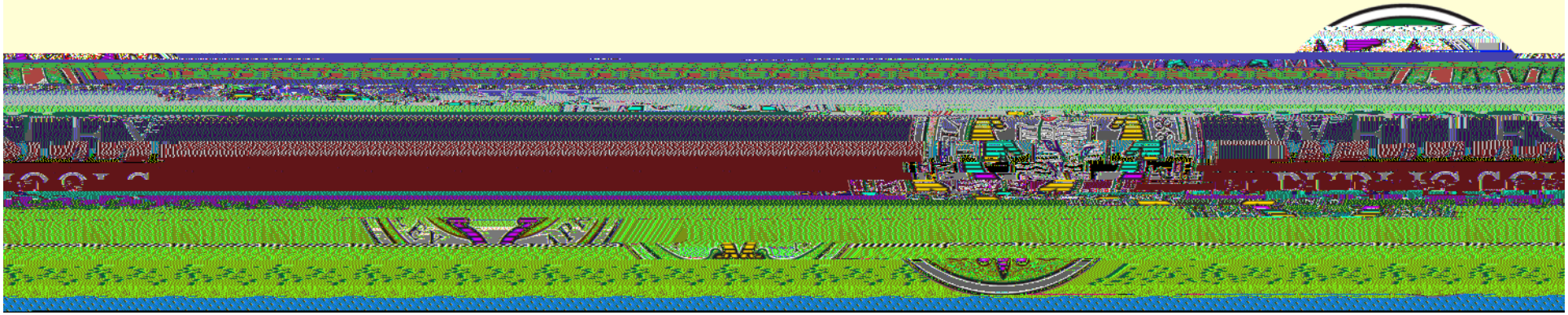

Elementary Science Curriculum

Middle School Science Curriculum, including Pilot units

Grade Six	Grade Seven	Grade Eight
• Think Like a Scientist • Electricity • Chemistry and Heat PILOT Sun, Moon, & Earth	• Life Science PILOT Soil & Erosion	• Introductory Physical Science PILOT Plate Tectonics

High School Science Curriculum

Grade 9	Grade 10	Grade 11	Grade 12
• Astronomy • Geology • Oceanography • Meteorology PILOT Physics 9	• Chemistry	• Biology	• Physics (and electives)

Next Steps: Align, Pilot, Implement

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QuestionQ