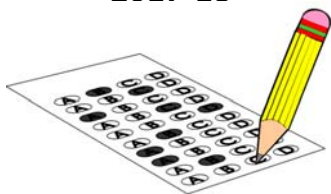


## Iowa Assessments 2017-18



Cedar Falls Board of Education  
October 2018

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## Test Administration

- State requires assessments for grades 3-8 & 11. Cedar Falls assesses ALL students in grades 3-11.
- Tests administered in Reading, Mathematics, and Science
- Schools must administer assessments in spring
- Iowa Assessments revised in 2011-12 – impacted proficiency levels
- New State Assessments for 2018-19 - ISASP

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## Analyzing the Results

- Cross Sectional Cohorts - Grade level – year to year
  - Example: Comparing 5<sup>th</sup> grade over time
  - Compares different students
- Simple Cohorts – All students present in a class/grade over time
  - Compares the class/group of students as they progress through system – May not be the same students
  - Focus is on GROWTH
  - Simple Cohort Growth – compares percent of students in 3 proficiency levels (non/prof/adv)
- Matched Cohorts – SAME students in a class/grade over time
  - Same exact students, not including move-ins and move-outs
- Expected Growth (new in 2015)
  - Average NSS Growth for each grade/class vs Expected Average NSS Growth
  - Growth Bands – compares average individual growth within 5 growth levels (bands)

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# READING

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## Standard Score Proficiency in Reading

SPRING Testing Norming Group			
Grade	Not Proficient	Proficient	Advanced
3	130-174	175-217	>217
4	135-188	189-235	>235
5	140-201	202-253	>253
6	140-212	213-264	>264
7	145-225	226-287	>287
8	150-238	239-303	>303
9	155-248	249-317	>317
10	160-256	257-325	>325
11	165-262	263-331	>331

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## Reading Results 2017-18

All Students - Grades 3-11

Comparison with AEA/State

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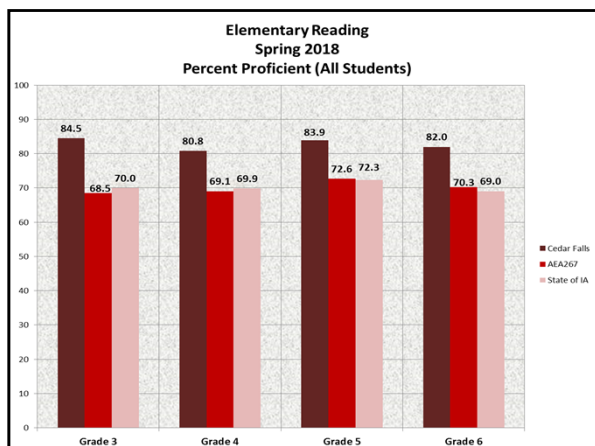
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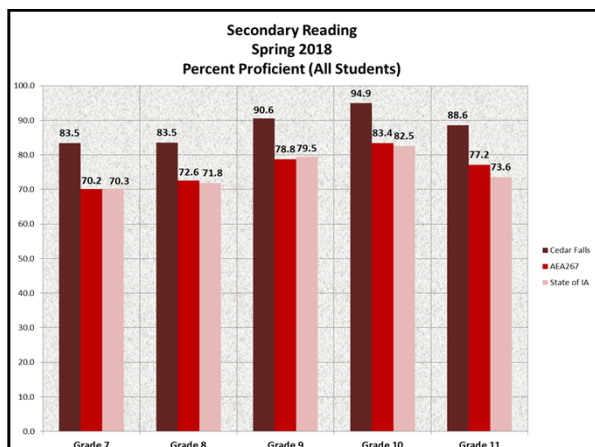
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**Reading Results**  
**All Students**  
**5-year Comparison**  
**(Grades 6, 9, 11)**  
Non-Proficient  
Proficient  
Advanced Proficient

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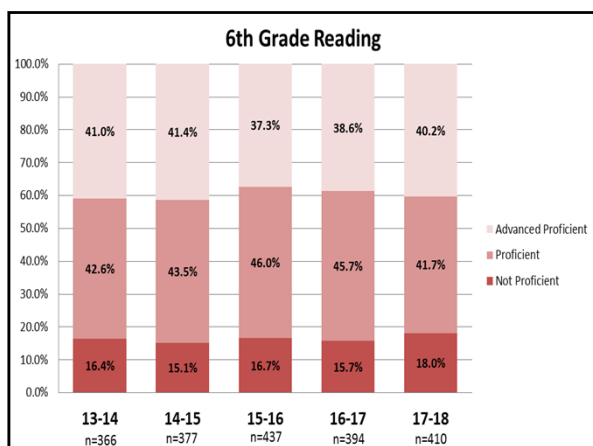
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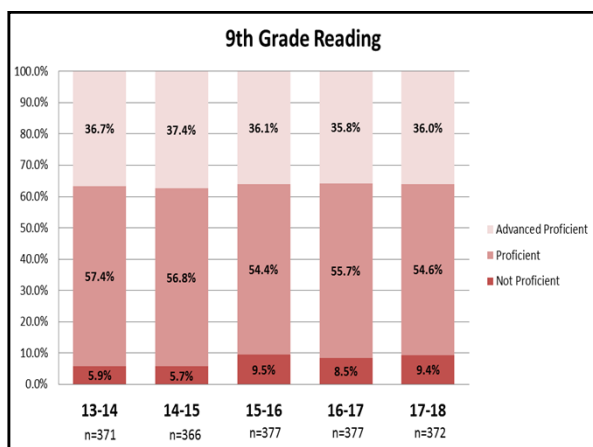
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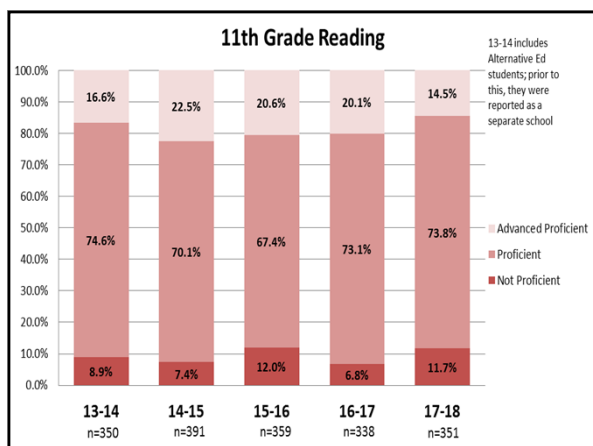
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# MATH

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## Standard Score Proficiency in Mathematics

Grade	SPRING Testing Norming Group		
	Not Proficient	Proficient	Advanced
3	130-176	177-204	>204
4	135-188	189-223	>223
5	140-199	200-242	>242
6	145-211	212-257	>257
7	145-221	222-276	>276
8	150-235	236-290	>290
9	155-248	249-310	>310
8	160-256	257-319	>319
11	165-262	263-326	>326

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## Math Results 2017-18

All Students - Grades 3-11

Comparison with AEA/State

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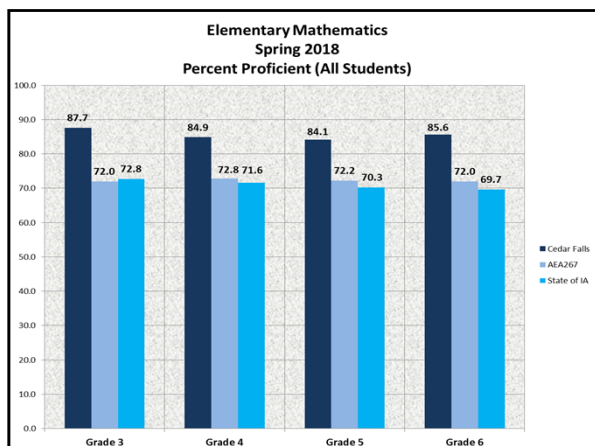
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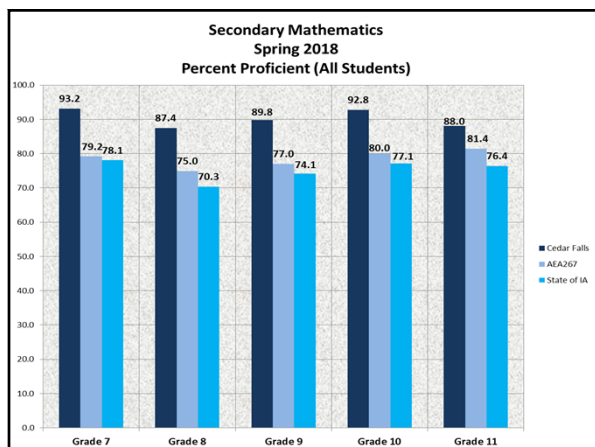
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**Math Results**  
**All Students**

**5-year Comparison  
(Grades 6, 9, 11)**

Non-Proficient  
Proficient  
Advanced Proficient

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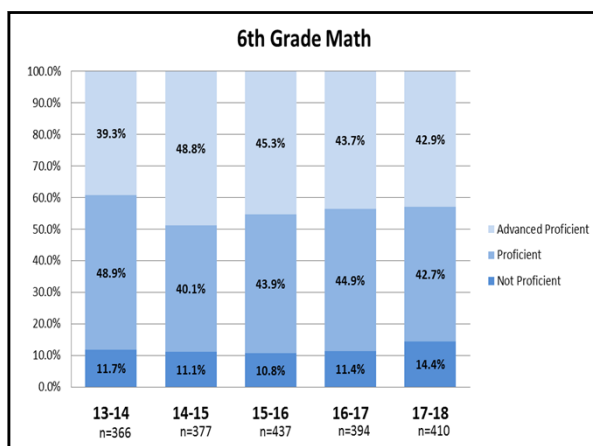
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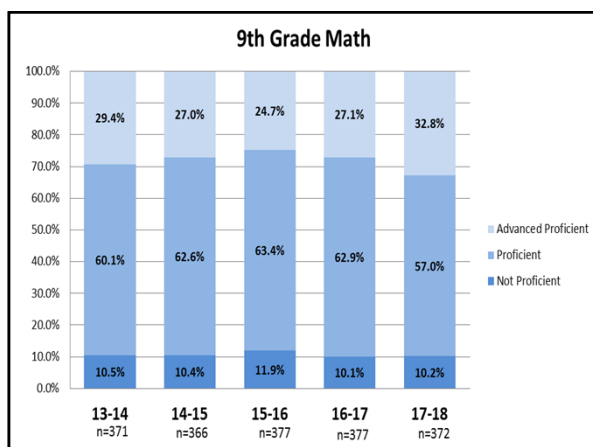
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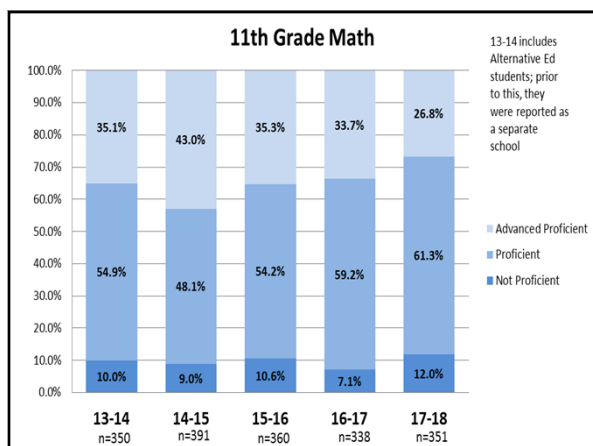
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# SCIENCE

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## Standard Score Proficiency in Science

Grade	SPRING Testing Norming Group		
	Not Proficient	Proficient	Advanced
3	130-174	175-204	>204
4	135-188	189-236	>236
5	140-201	202-249	>249
6	145-213	214-273	>273
7	145-225	226-291	>291
8	150-237	238-312	>312
9	155-249	250-320	>320
8	160-257	258-329	>329
11	165-264	265-337	>337

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## Science Results 2017-18

All Students - Grades 3-11

Comparison with AEA/State

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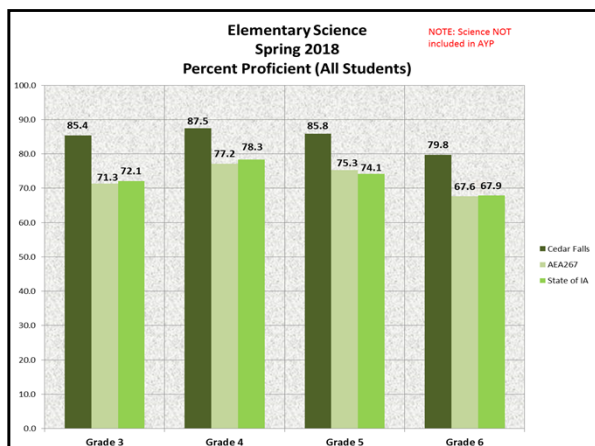
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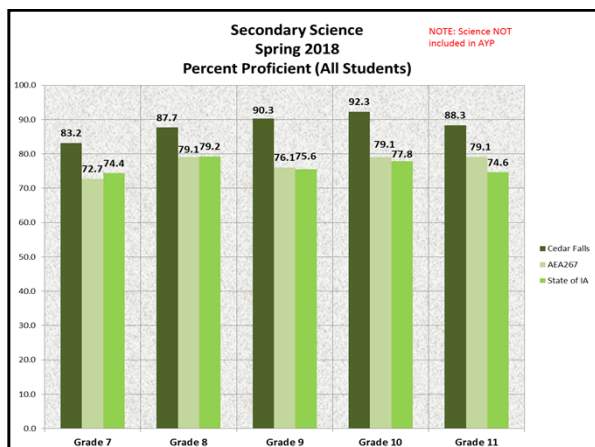
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**Science Results**  
**All Students**

5-year Comparison  
(Grades 6, 9, 11)

Non-Proficient  
Proficient  
Advanced Proficient

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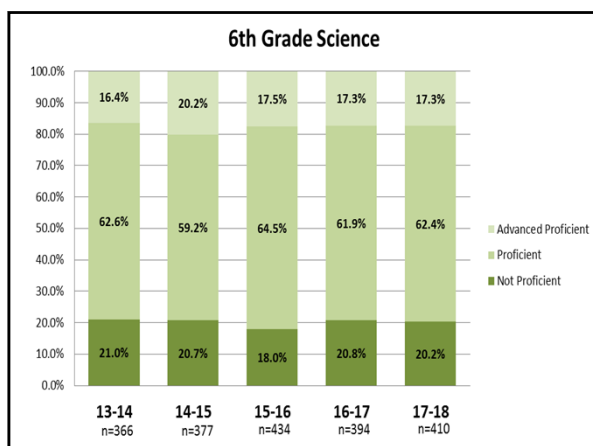
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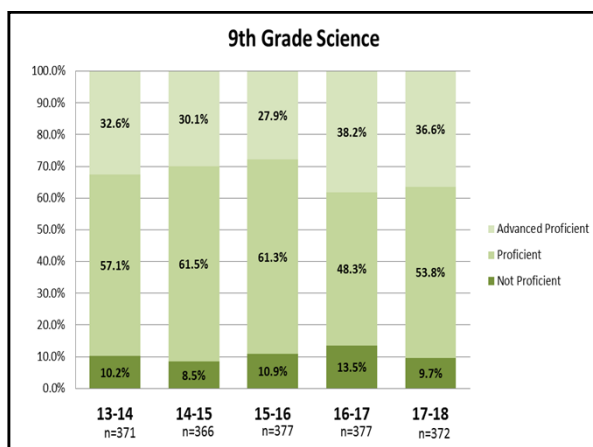
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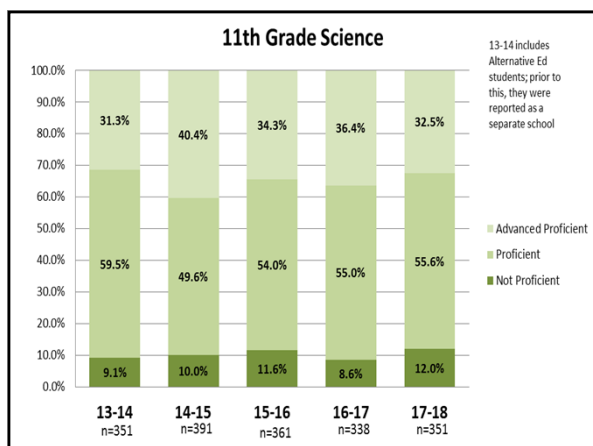
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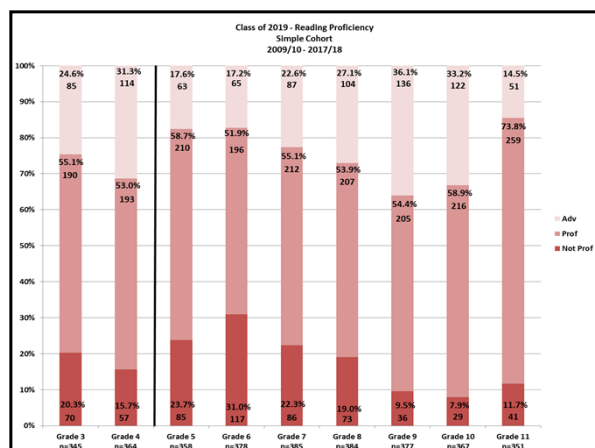
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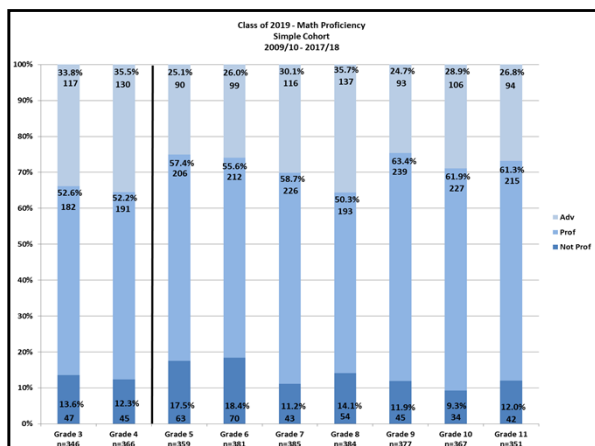
# Focus on GROWTH

## Analyzing Cohorts

### "Simple" Cohort Growth

- Compares all students present in the grade/cohort selected – includes move-ins and move-outs
- Measures the percent of students in each proficiency level (non, prof, adv prof) each year
- Proficiency, Advanced Proficiency determined by NSS Scores provided by state






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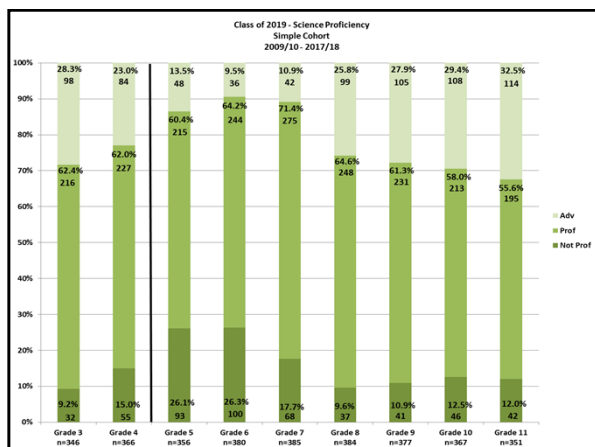
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## “Matched” Cohort Growth Grade 11

SAME students over time  
Does not include move-ins and  
move-outs

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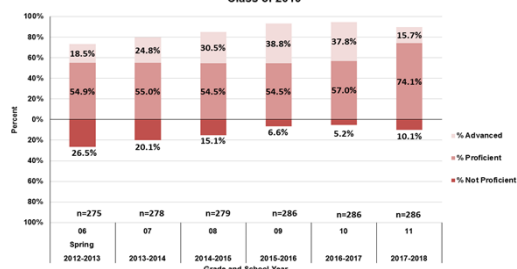
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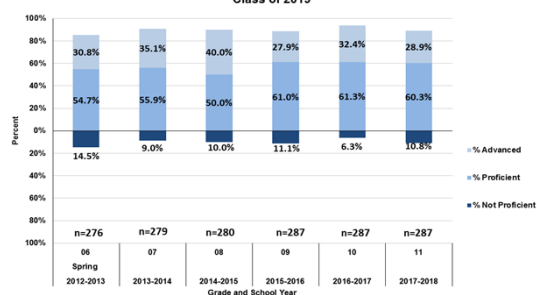
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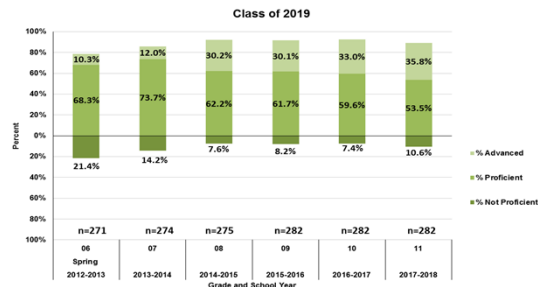
"Matched" Cohort  
Reading  
11<sup>th</sup> grade in 2017-18  
Class of 2019



"Matched" Cohort  
Math  
11<sup>th</sup> grade in 2017-18  
Class of 2019



"Matched" Cohort  
Science  
11<sup>th</sup> grade in 2017-18  
Class of 2019



## Analyzing “Expected” Growth 2016-17 to 2017-18

Average NSS growth compared to  
average expected NSS growth over the  
past year  
(Reading and Math Only)

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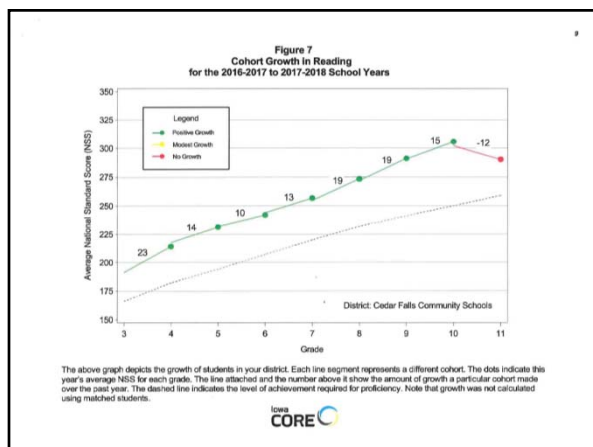
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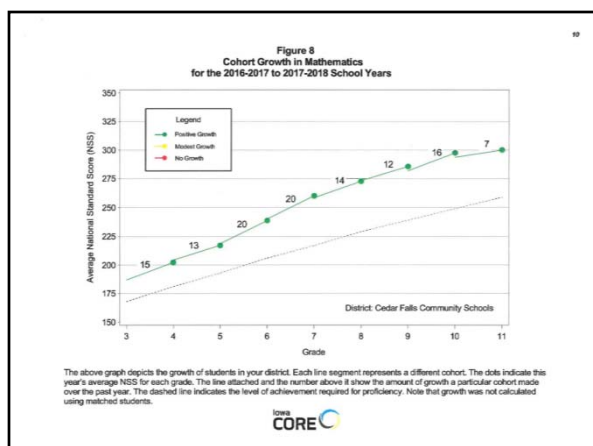
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### Analyzing Expected Growth by “Bands”

- Students are categorized into one of 5 performance levels (bands) based on NSS Score and NPR (National Percentile Rank)
- Average growth for students within each band is compared with expected growth of students within that band (as determined by the state)
- The expected growth is the “realistic” growth that is expected for students within that growth band

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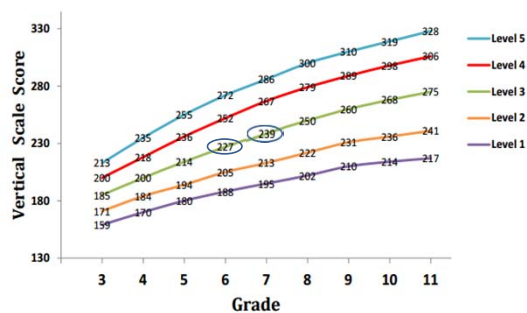
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Figure 1 - Expected Growth




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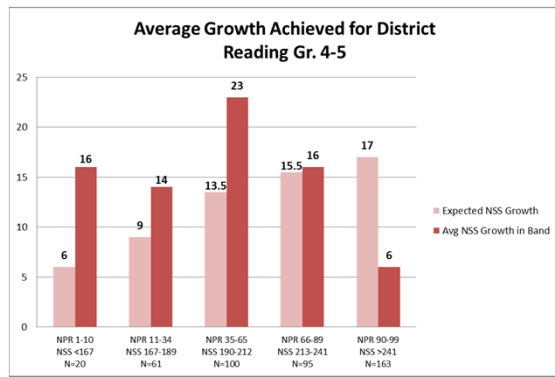
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### Average NSS Growth as Compared to Expected NSS Growth




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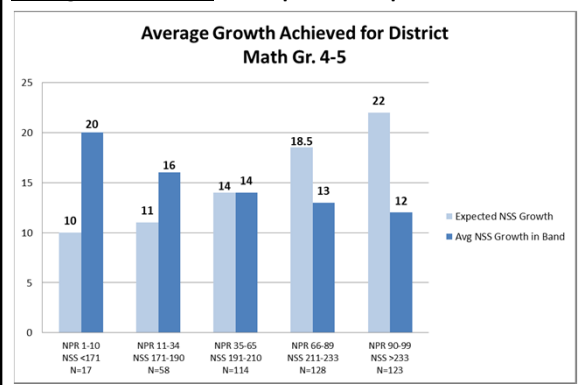
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**Average NSS Growth as Compared to Expected NSS Growth**


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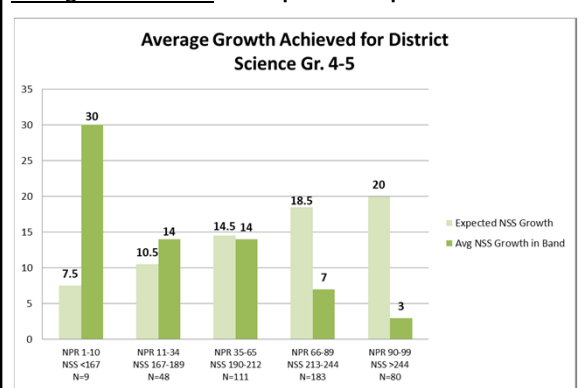
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**Average NSS Growth as Compared to Expected NSS Growth**


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**Summary**

- Cedar Falls students continue to out-perform students in AEA/State
- While there continues to be gaps in proficiency between subgroups, the gap is shrinking
- The focus on growth (cohort and expected growth) allows staff to sort the data and “drill deeper” into the data in analyzing student by student, skill by skill, as well as by class and building
- Lowest achieving students consistently outperforming expected growth; greater differentiation and enrichment opportunities will be a focus for high achieving students

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**New State Assessment**  
**Beginning in 2018-19**

- Iowa State-wide Assessment of Student Progress (ISASP)
- Online/Paper-Pencil assessment
- Better alignment with Iowa Core Standards?
- Reading, Math, & Writing – grades 3-11
- Science – Grades 5-8-10
- Proficiency, growth, & readiness indicators to be provided – “cut” scores determined in fall 2019
- Plans to move to adaptive format within 3 years

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