

2019 RI Next Generation Science Assessment Results



RIDE Rhode Island
Department
of Education

Rhode Island Transition to the Next Generation Science Assessment (NGSA)

2013

- Adoption of the Next Generation Science Standards

2017

- Last administration of the NECAP Science assessment

2018

- Field test of the Next Generation Science Assessment

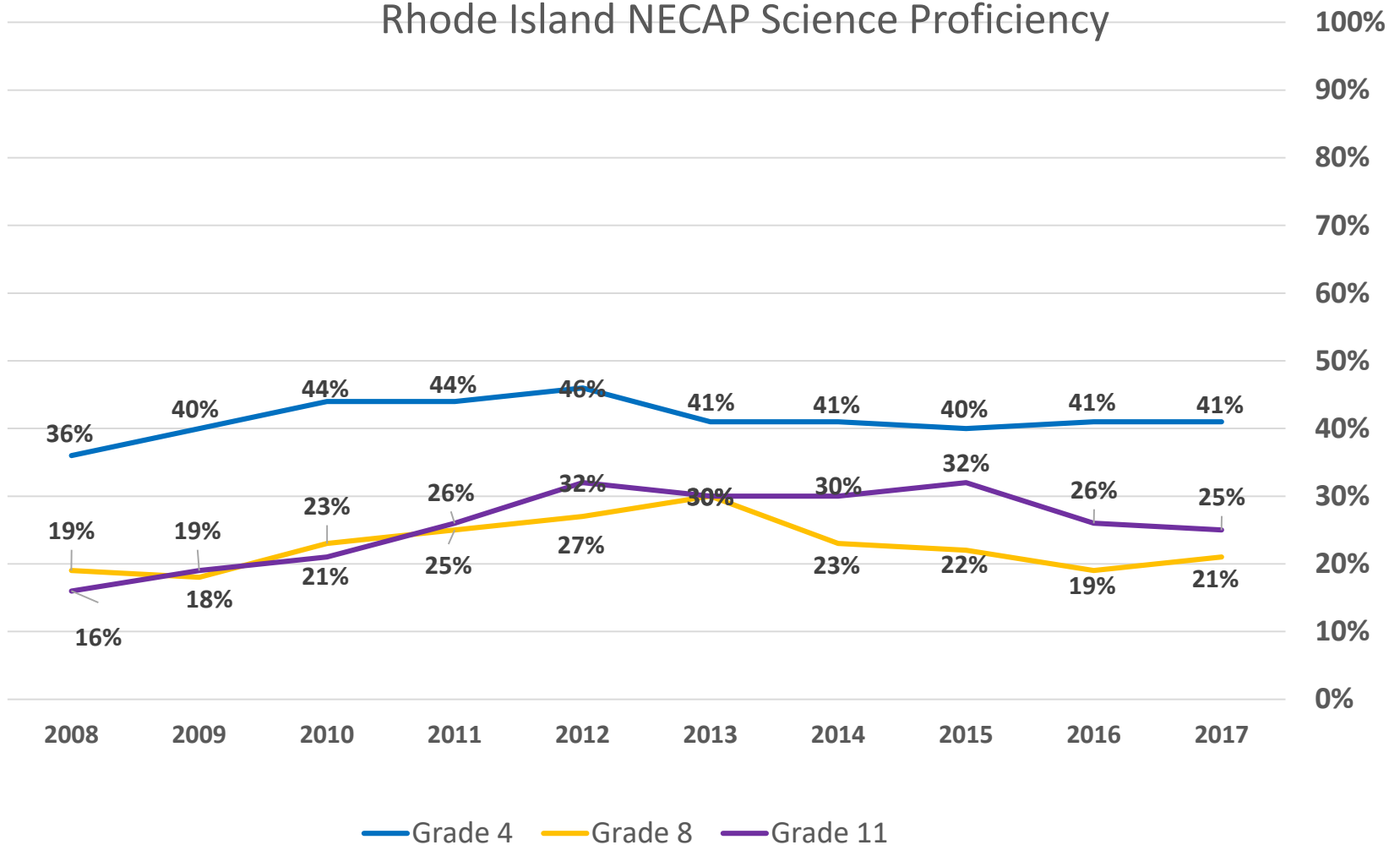
2019

- First administration of the Next Generation Science Assessment



Historical NECAP Results

Rhode Island NECAP Science Proficiency



2015 NAEP Science Results

	Average Scale Score Grade 4	Percent At or Above Proficient Grade 4	Average Scale Score Grade 8	Percent At or Above Proficient Grade 8
Rhode Island	152	36	151	32
National Public	153	37	153	33

Talking About Our Results: Why Assess NGSA?

- The NGSA helps us understand how all our students are performing in Science by assessing their knowledge of our state standards, the Next Generation Science Standards (NGSS).
- When current students graduate from high school, more jobs will require skills in science, technology, engineering, and mathematics (STEM) than in the past.
- The NGSS provide a strong science education that equips students with the ability to think critically, analyze information, and solve complex problems — the skills needed to pursue opportunities within and beyond STEM fields.
- We can successfully prepare students for college, careers and citizenship when we set the right expectations and goals and monitor student progress towards them.



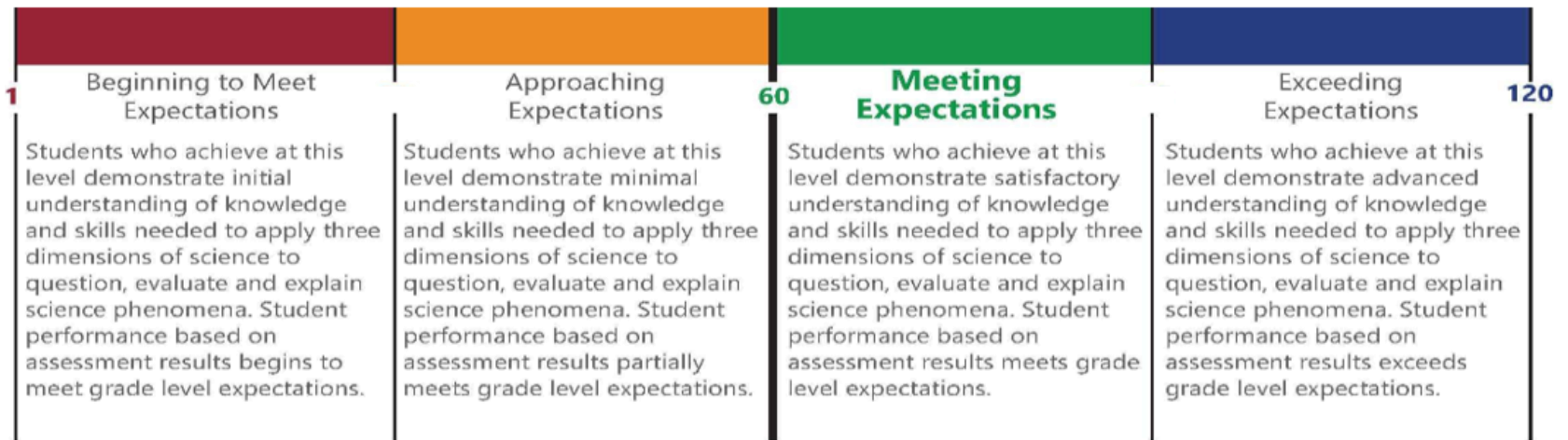
Description of the Next Generation Science Assessment (NGSA) Test Design

- Assess students' understanding of the Next Generation Science Standards in grades 5, 8, and 11.
- NGSA assessments assess life sciences, physical sciences, and earth and space sciences.
- Computer-based test that includes item clusters which are similar to performance task and stand-alone items
- All items ask students to use science and engineering practices and apply their understanding of disciplinary core ideas and crosscutting concepts to make sense out of real-world phenomena



Next Generation Science Assessment (NGSA) Performance Levels

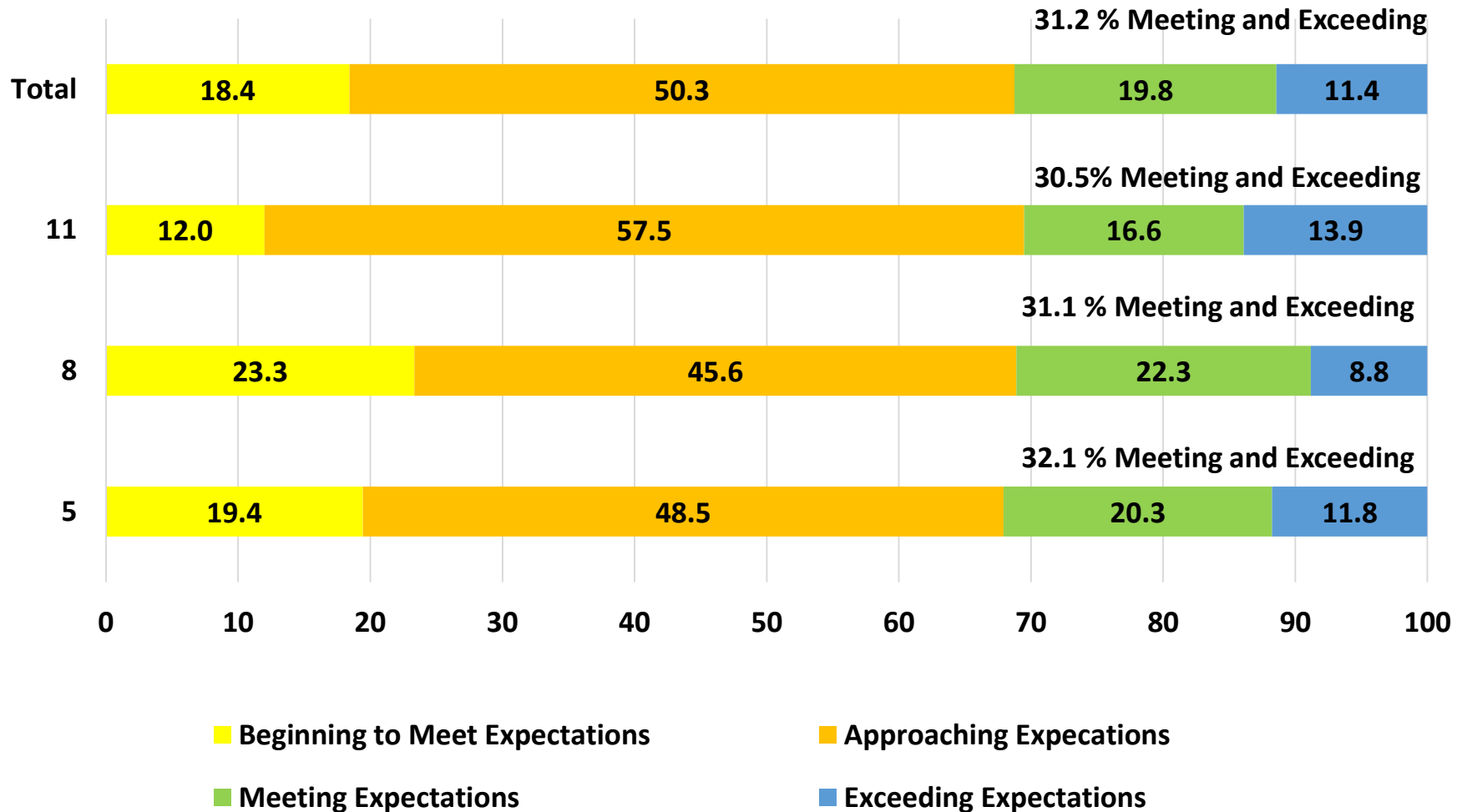
- The NGSA uses four performance levels to describe how well students meet the expectations for their grade level
- Meeting Expectations means that students are able to demonstrate grade level expectations while Exceeding Expectations means that students are showing mastery of the grade level expectations
- Scale score ranges differ by grade for each performance level (see table below)



Grades	Level 1	Level 2	Level 3	Level 4
5	1-37	38-59	60-71	72-120
8	1-37	38-59	60-74	75-120
11	1-35	36-59	60-70	71-120

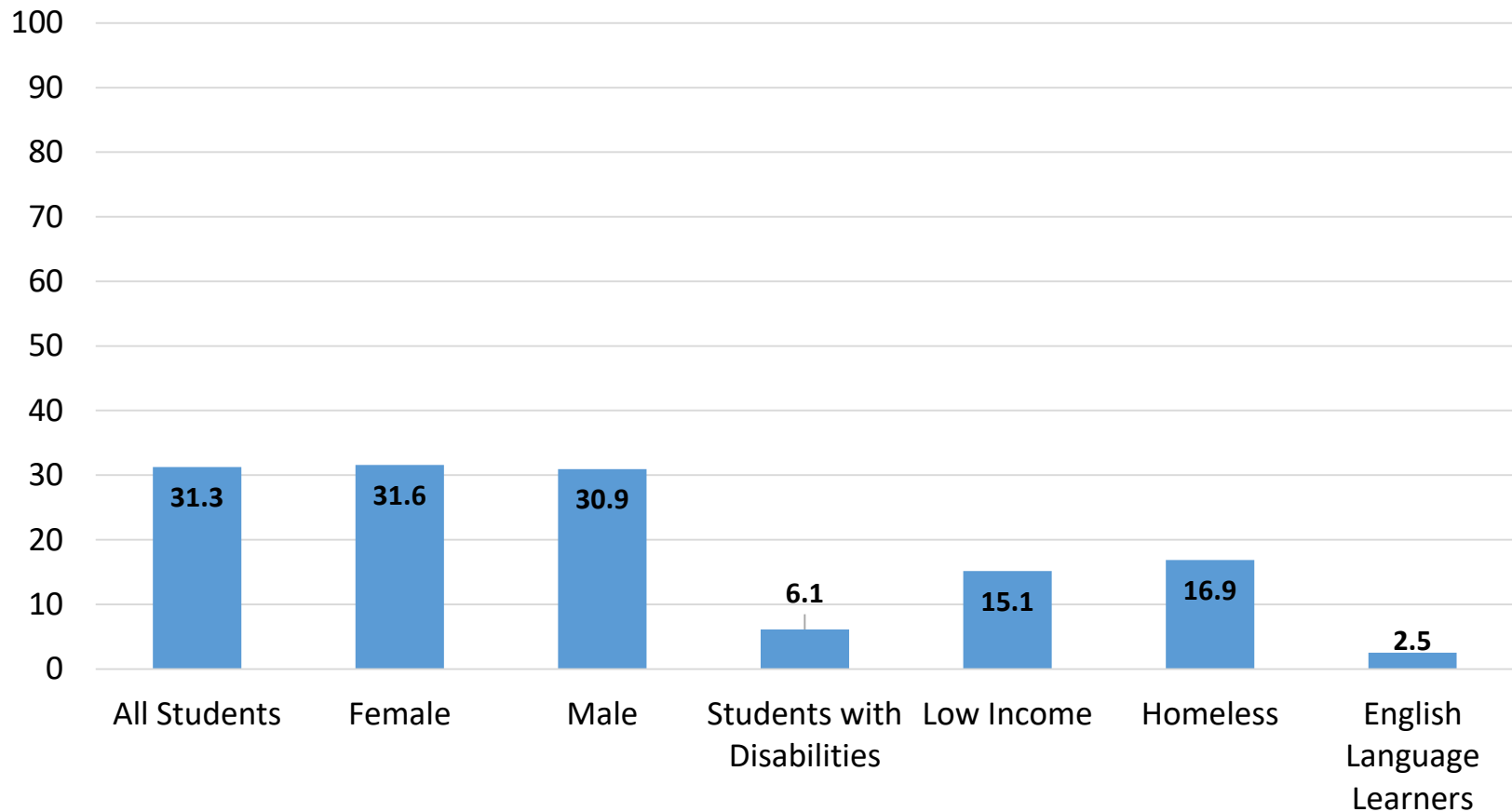


2019 Next Generation Science Assessment Performance by Grade



Percent of Students Meeting and Exceeding Expectations in Science by Subgroup

Percent of Students Meeting and Exceeding Expectations in Science by Subgroup



Percent of Students Meeting and Exceeding Expectations by Race/Ethnicity

Percent of Students Meeting and Exceeding Expectations by Race/Ethnicity

