

NECAP Science Results for Barre Town Middle-Elementary School

General Notes

Grades Tested and Cohort Effect

Barre Town students are tested in grade 4 and 8. (Spaulding tests grade 11 students.)

Note that year-to-year there is a 100% cohort effect due to the grades being tested: No students who took the test last year took it this year.

Graph Colors

School-wide results are in orange-blue-gray, and statewide results are shown in blue, red, green, and purple.

NECAP result categories are as follows:

- Proficient with distinction
- Proficient
- Partially proficient
- Substantially below proficient

Overall Proficiency by Grade, Within School and Compared to Statewide Results

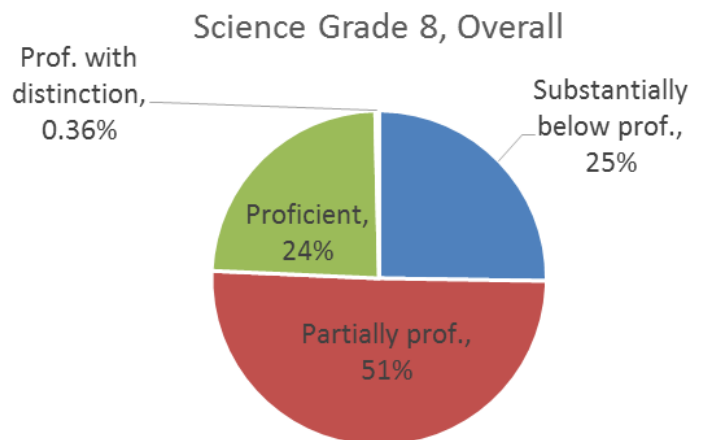
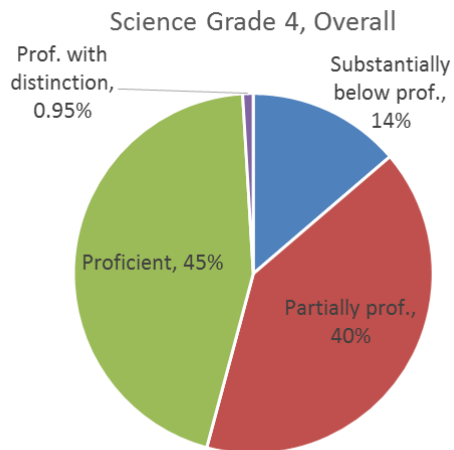
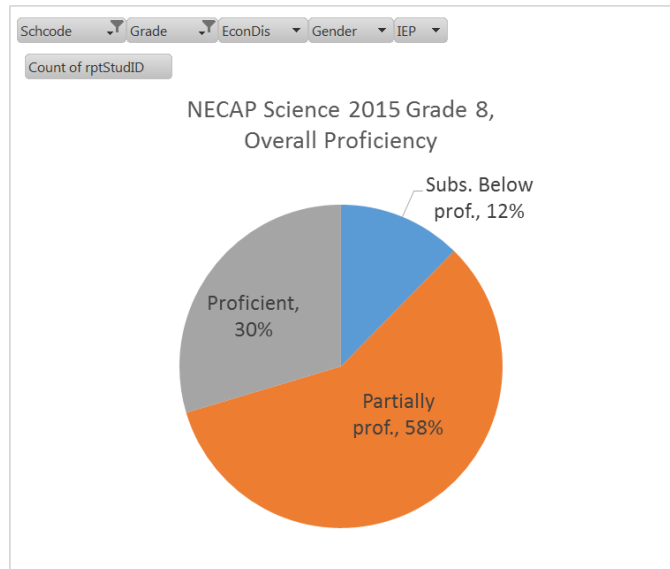
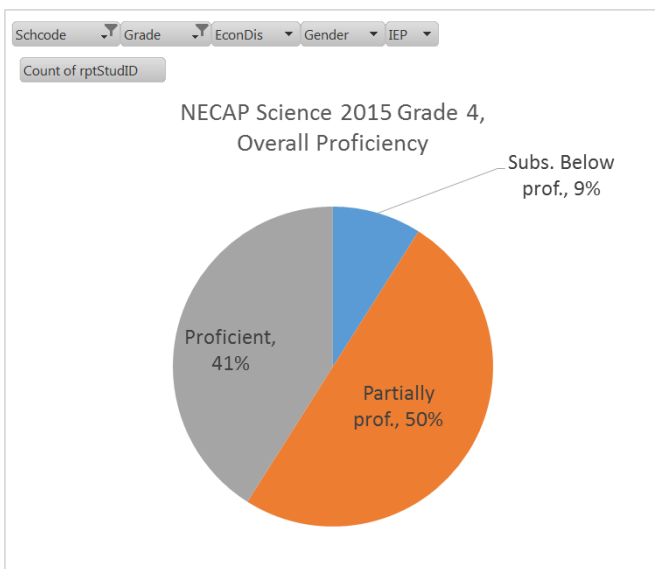
Observations:

No BTMES student scored proficient with distinction. However, note that statewide, less than 1% of students were proficient with distinction in either grade 4 or 8.

BTMES fourth-graders outperformed eighth graders (41% proficient to 30%).

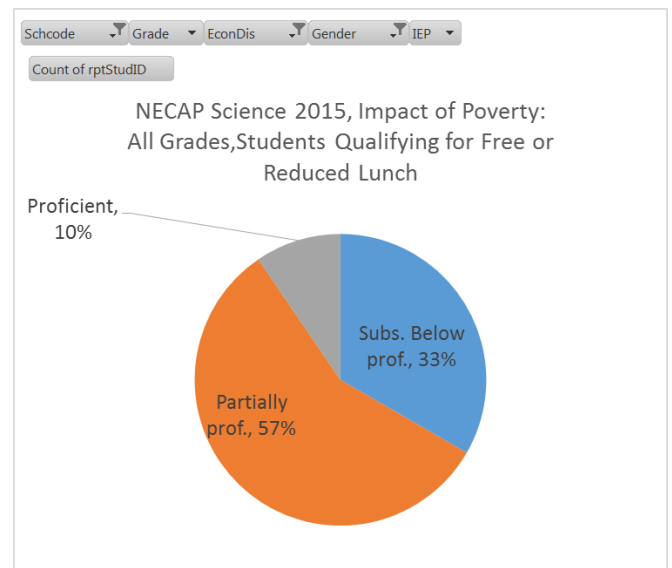
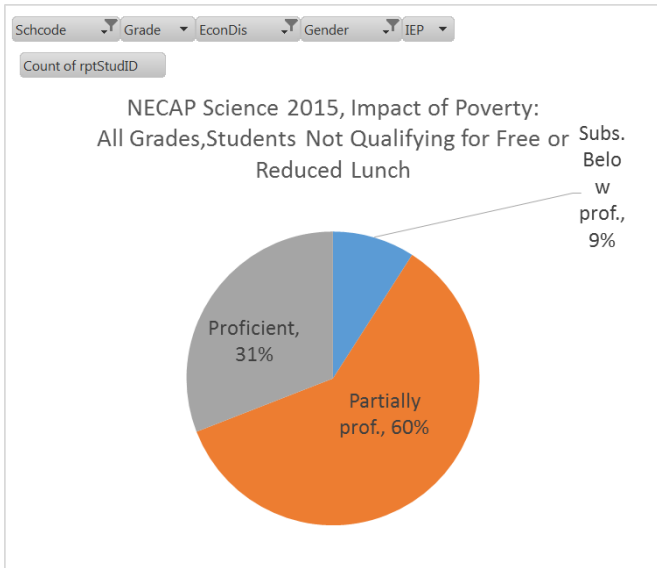
Grade 4: In general, BTMES results were below statewide averages (41% proficient or better vs. 46% statewide).

Grade 8: BTMES outperformed the state (30% proficient or better vs. 24% statewide).



Impact of Poverty

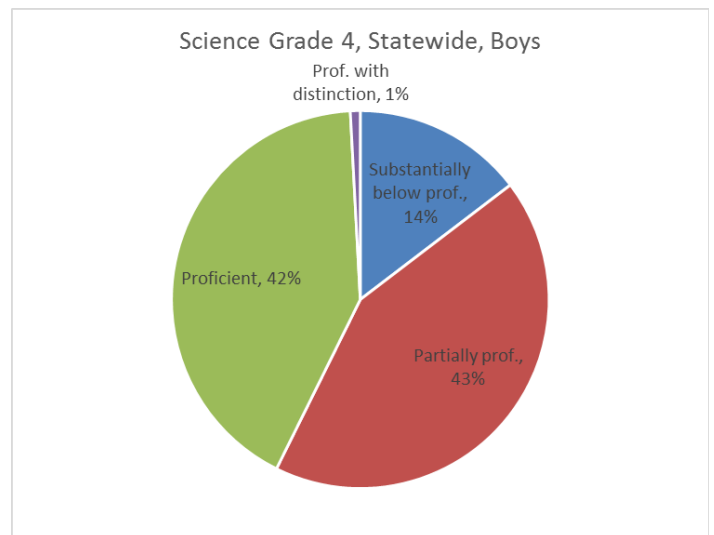
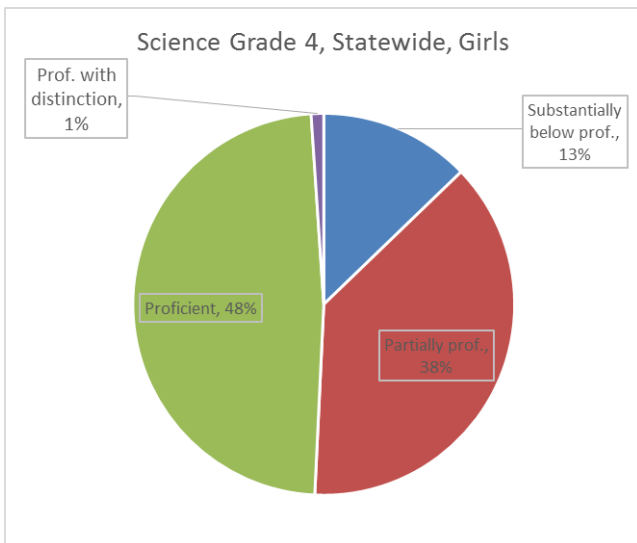
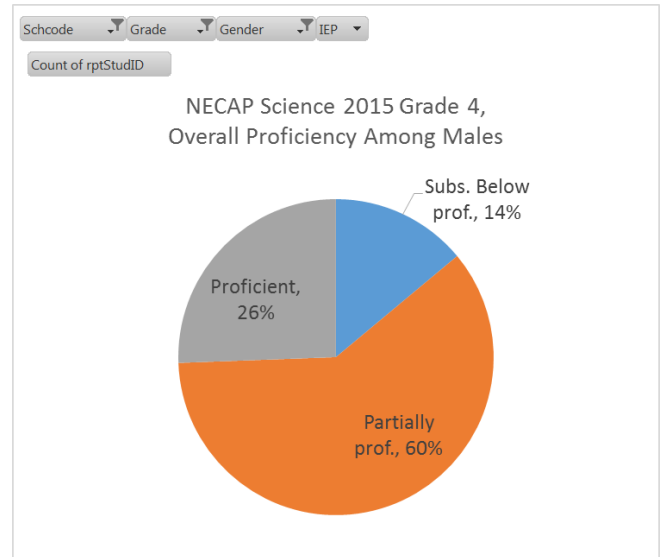
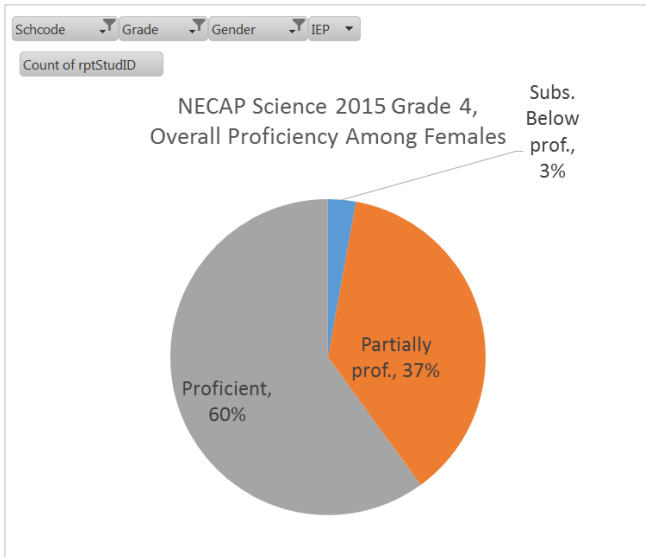
Students identified as economically disadvantaged are proficient in significantly lower numbers than those students not so categorized (10% proficient vs. 31%)



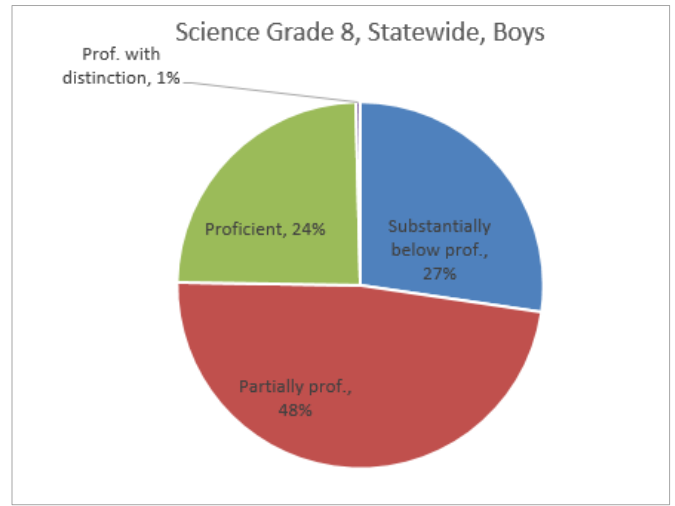
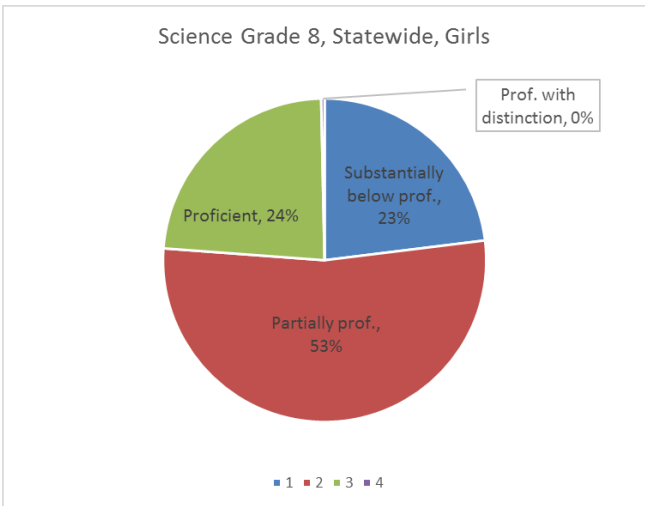
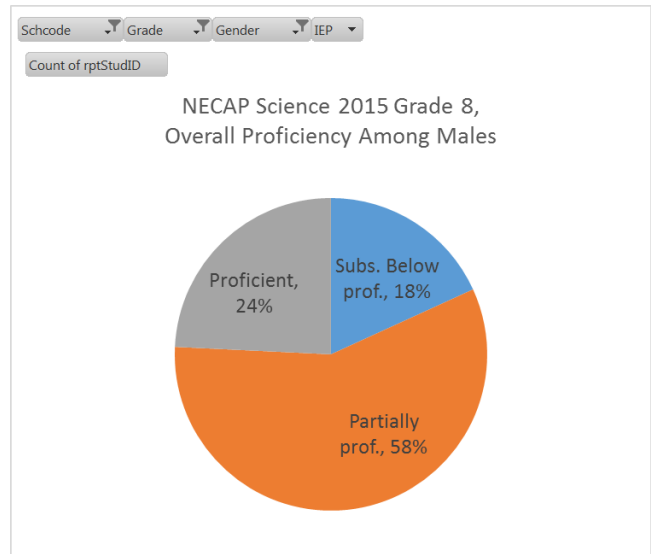
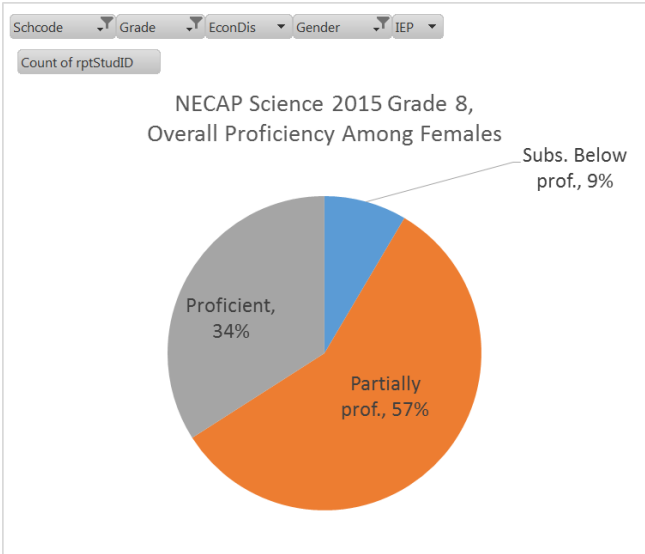
Proficiency by Gender

There is a pronounced gender gap favoring girls: BTMES girls significantly outperformed boys (grade 4: 60% proficient vs. 26%; grade 8: 34% vs. 24%)

Girls outperform state averages in grade 4 (60% proficient vs. 48%, but fourth grade boys significantly underperform the state (26% vs. 42%).



Again, grade 8 girls outperform the state (34% proficient vs. 24%), while grade 8 boys perform almost identically to the state (24% proficient or better vs. 25% statewide).



Proficiency for Students with Disabilities

Students with disabilities significantly underperform compared to students overall (0% proficient or better vs. 30% against the total population).

