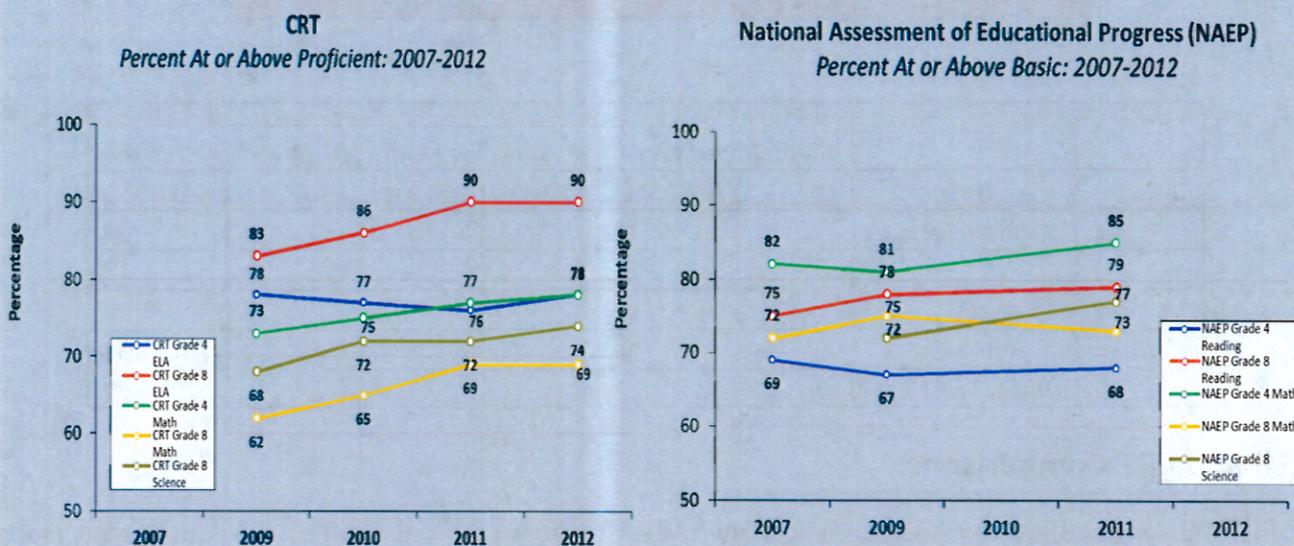


Utah Achievement Growth in CRT and NAEP

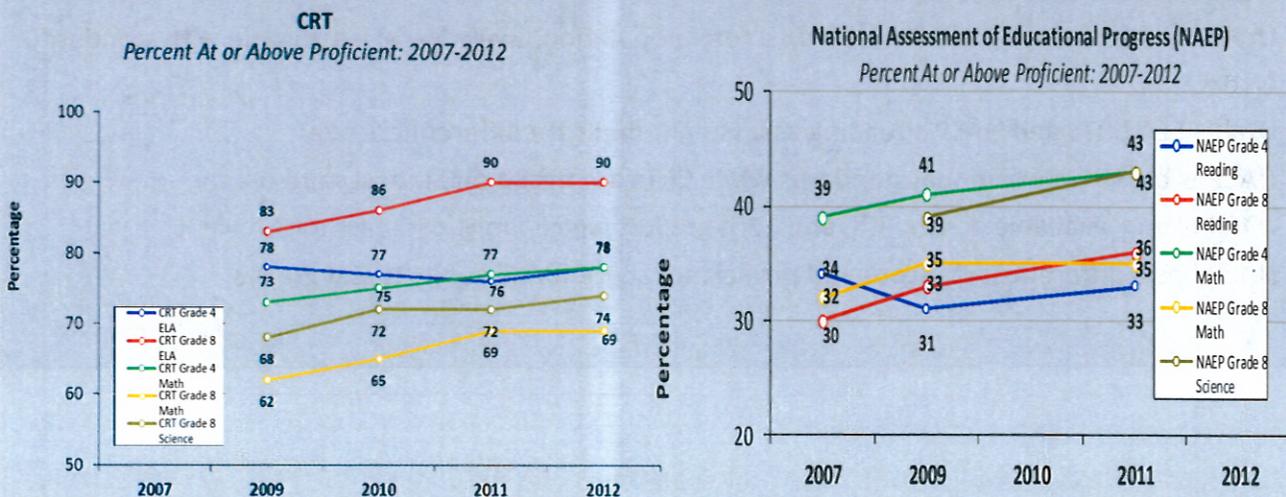
NAEP and Utah CRT Findings

- NAEP and Utah CRT student proficiency levels indicate measurable growth over time in all areas except reading at grade 4.
- NAEP and Utah CRT average scale scores indicate measurable growth over time in reading at grade 8, mathematics at both grades 4 and 8, and science at grade 8.
- NAEP proficient and above levels indicate measurable growth over time in all areas except reading at grade 4.

Trend Line Comparison between CRT and NAEP At or Above Basic Shows the Same Pattern of Growth



Trend Line Comparison between CRT and NAEP At or Above Proficient Shows the Same Pattern of Growth



See pgs. 3 & 4 for subject comparisons

Criterion-Referenced Tests (CRTs) and NAEP Comparison

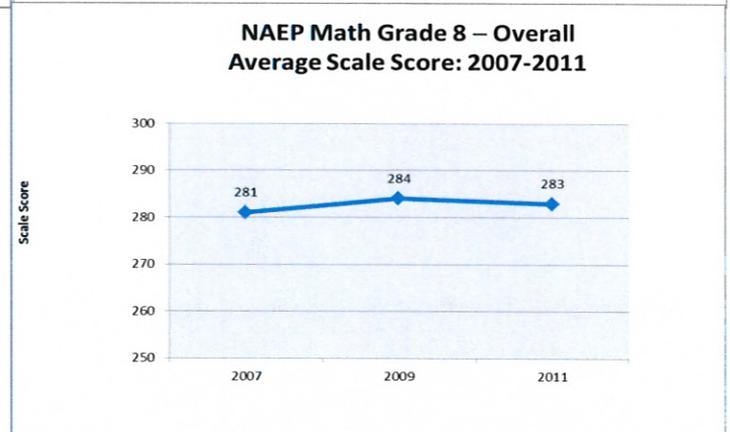
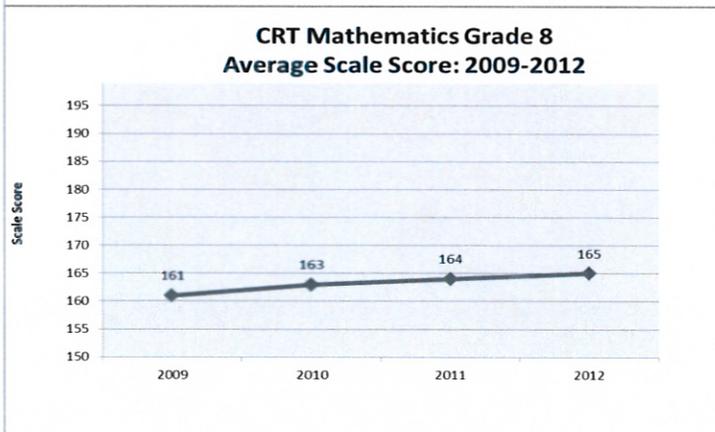
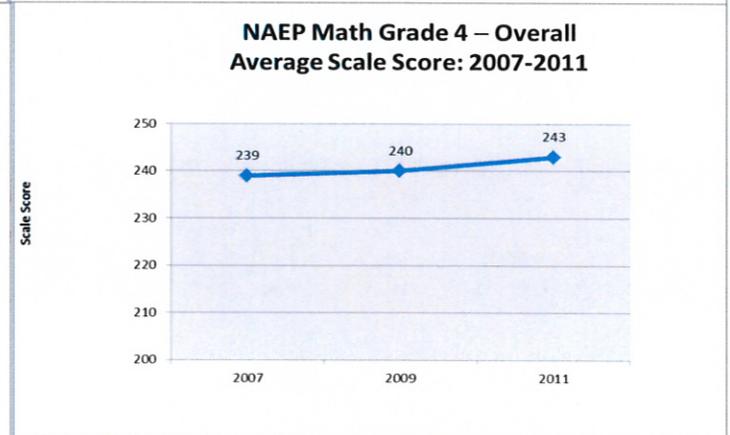
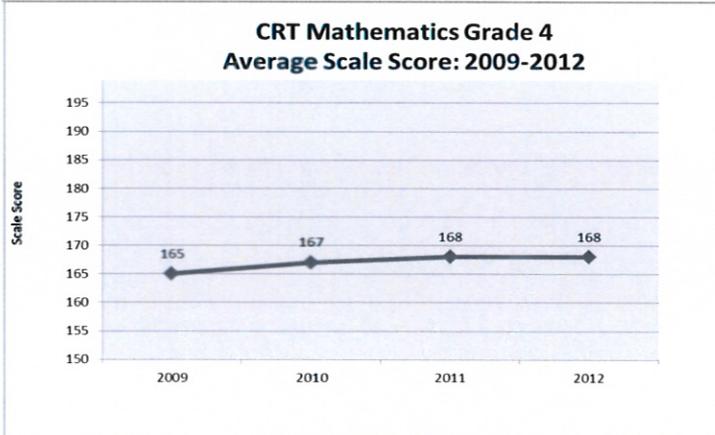
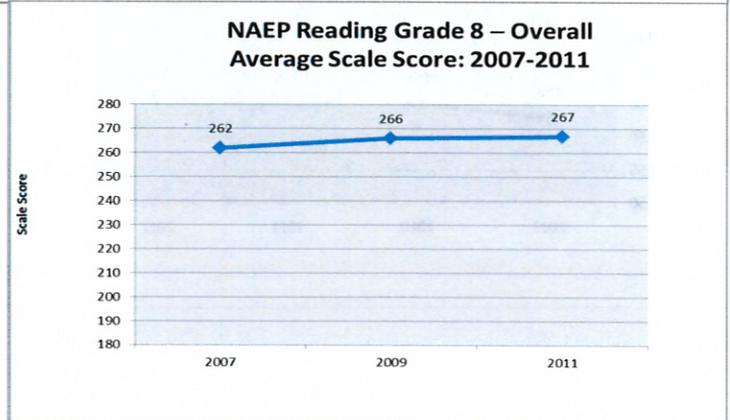
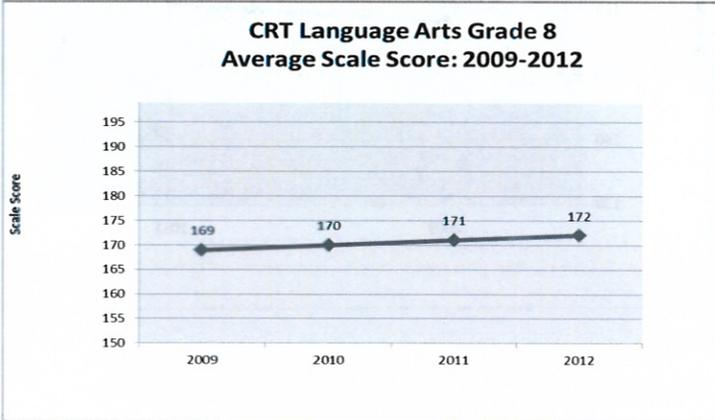
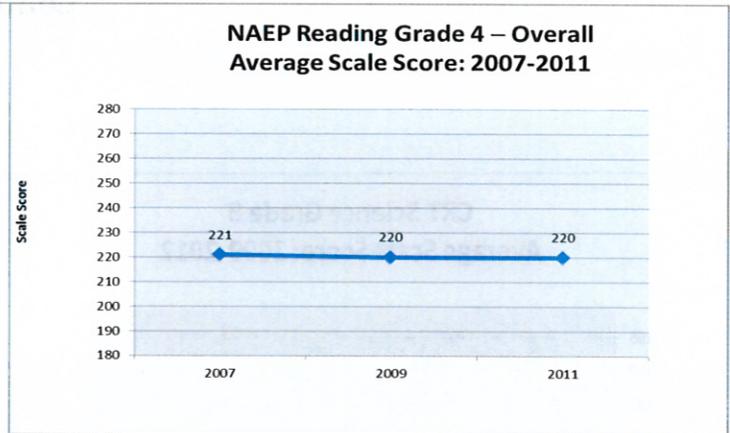
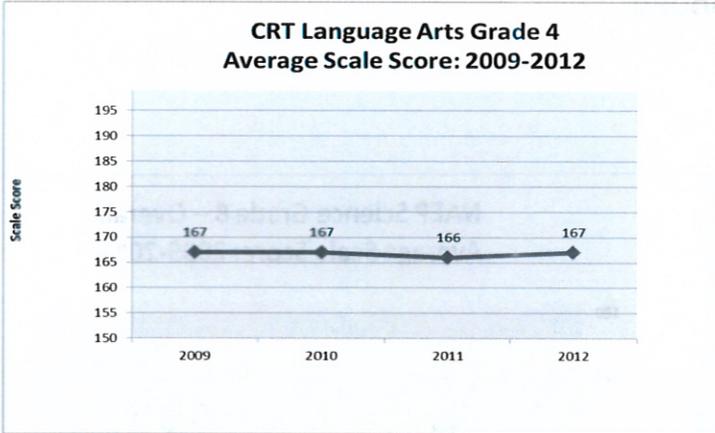
| CRT | NAEP |
|-------------------------|-------------|
| 1- Minimal | Below Basic |
| 2- Partial | |
| 3- Sufficient | Basic |
| 4- Substantial | Proficient |
| Beyond the scope of CRT | Advanced |

| CRT | NAEP | 4th Grade Math | | 8th grade Math | | 8th Grade Science | |
|-----|-------------------|----------------|--------|----------------|--------|-------------------|--------|
| | | CRT % | NAEP % | CRT % | NAEP % | CRT % | NAEP % |
| 1 | Below Basic | 7 | 15 | 4 | 27 | 9 | 23 |
| 2 | | 14 | | 6 | | 17 | |
| 3 | Basic | 33 | 42 | 20 | 38 | 23 | 34 |
| 4 | Proficient | 46 | 36 | 71 | 28 | 52 | 41 |
| | Highly Proficient | | 7 | | 7 | | 2 |

NAEP and CRT Comparisons:

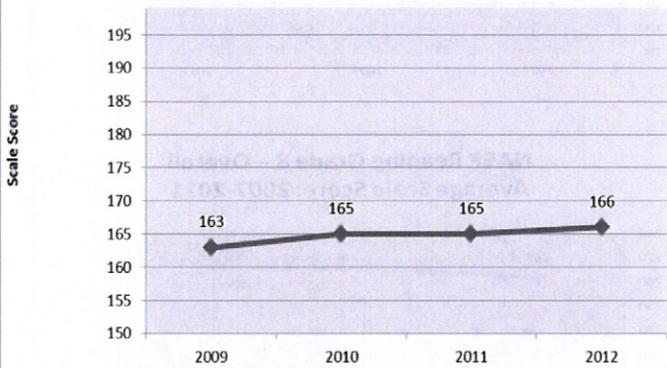
- In 2009 a mapping study was conducted by NAEP. It was found that Utah's proficient scores, along with the majority of all other states, including our peer state Minnesota, were most closely aligned with NAEP's definition of basic in both reading and mathematics.
- CRTs more finely differentiate students who are not proficient or below basic. CRTs have a level 1 and 2 while NAEP only has below proficient.
- Utah's average scale score is based on a total population, while NAEP is a sample with standard errors.
- Utah's ELA CRTs and NAEP's reading assessment measure different criteria.
- NAEP is based on a National standards while CRTs are based on State standards.
- NAEP is only available at 4th, 8th, and 12th grades, which limits comparison.
- NAEP has a different scale score and proficiency score for all subjects and grades.

Average Scale Score CRT-NAEP Comparison
Trend Lines are Similar between CRT and NAEP
In each Subject and each Grade Level



Average Scale Score CRT-NAEP Comparison
Trend Lines are Similar between CRT and NAEP
In each Subject and each Grade Level
Continued

CRT Science Grade 8
Average Scale Score: 2009-2012



NAEP Science Grade 8 – Overall
Average Scale Score: 2009-2011

