



Standard Setting Validation Studies

Alaska Department of Education and Early Development

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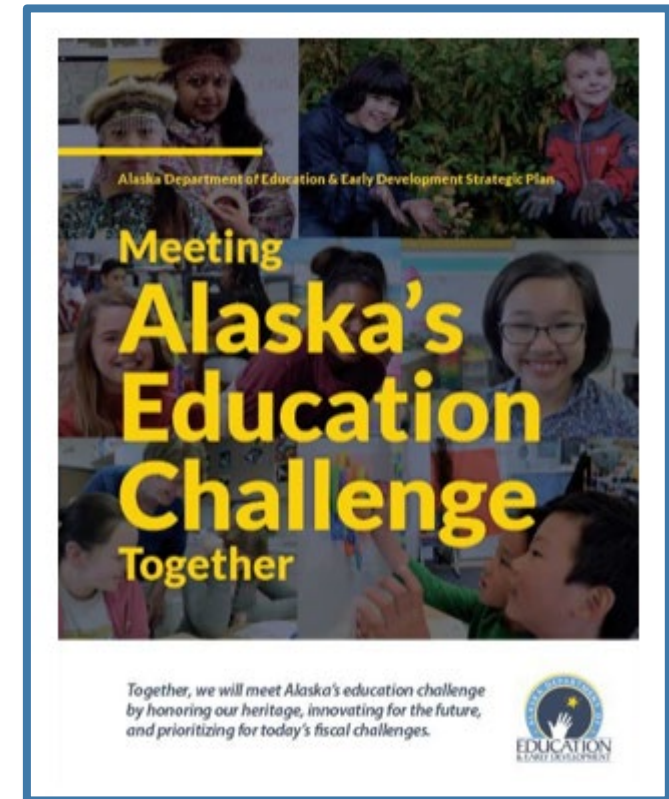
Mission, Vision, and Purpose

Mission	Vision	Purpose
	<p>All students will succeed in their education and work, shape worthwhile and satisfying lives for themselves, exemplify the best values of society, and be effective in improving the character and quality of the world about them.</p> <p>- Alaska Statute 14.03.015</p>	<p>DEED exists to provide information, resources, and leadership to support an excellent education for every student every day.</p>

Strategic Priorities: Alaska's Education Challenge

Five Shared Priorities:

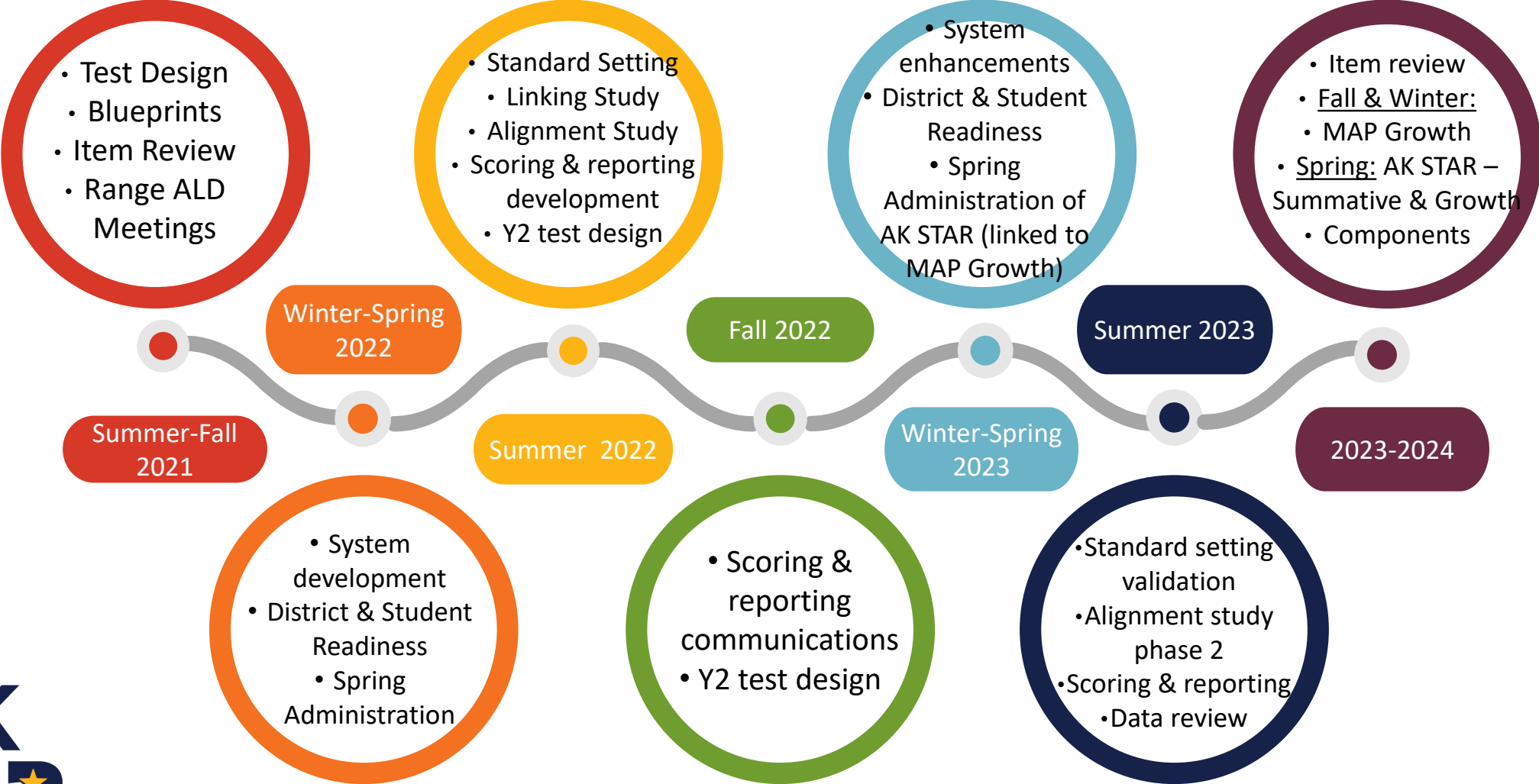
1. Support all students to read at grade level by the end of third grade.
2. Increase career, technical, and culturally relevant education to meet student and workforce needs.
3. Close the achievement gap by ensuring equitable educational rigor and resources.
4. Prepare, attract, and retain effective education professionals.
5. Improve the safety and well-being of students through school partnerships with families, communities, and tribes.



education.alaska.gov/akedchallenge

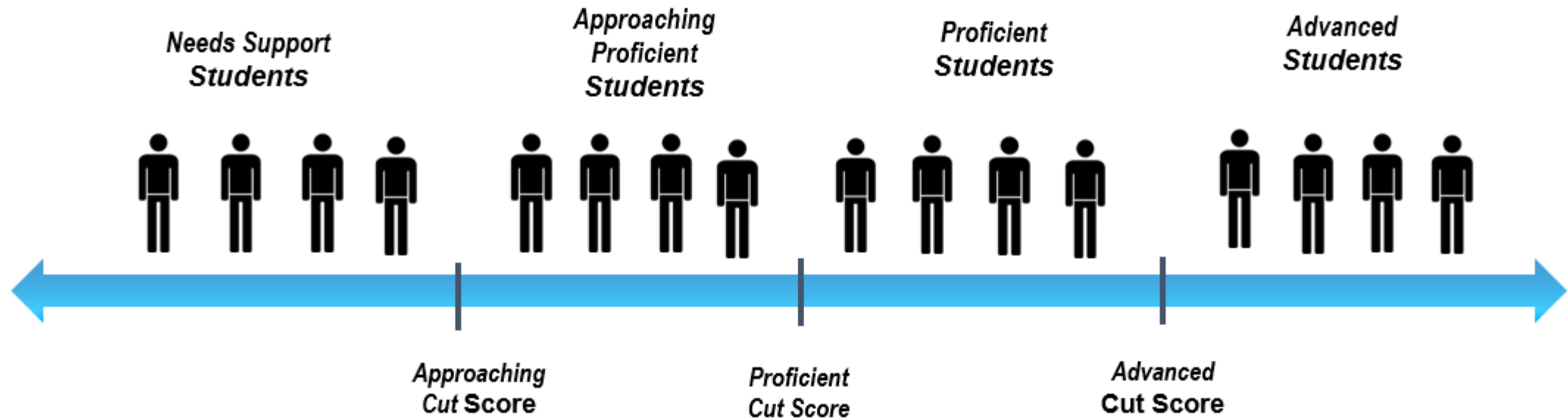


AK STAR Development Timeline (2021-2023)



What are cut scores?

- Cut scores are those scale scores that sit at the borders of two achievement levels and allow us to define proficient and non-proficient performance.
- Cut scores separate test takers into various categories.
- In Alaska, three cut scores classify students into four achievement levels.



Why conduct a standard setting validation?

- We are now further removed from the impacts of the COVID-19 pandemic and its influence on schools throughout the state.
- In 2023, the AK STAR test design and administration model was shifted – by design and with intention.
- We have another year’s worth of test data to review and evaluate.
- Additional evidence is available for review and consideration
 - ✓ 2023 AK STAR items
 - ✓ AK STAR impact data
 - ✓ NAEP results
 - ✓ MAP Growth performance data
 - ✓ 2023 Alaska Science items
 - ✓ Alaska Science impact data

Outcomes of the Standard Setting Validation

- Ratings and discussion of the cut points between the performance levels
 - ✓ Provided information about where 2022 cut scores were set
 - ✓ Identified error bands around the 2022 cut scores
 - ✓ Two rounds of independent ratings
 - ✓ Vertical articulation
- Moving a cut score recommendation within one or two CSEM values is generally viewed as maintaining consistency with the cut score recommendations.
 - The results of the 2023 standards validation largely showed that the recommended cut scores were not different from the 2022 cut scores (ELA, mathematics, science).

Support for the Validation Study

- ✓ The Technical Advisory Committee and Center for Assessment commended DEED for their careful and thorough review of Alaska's assessment achievement standards, and concern for the quality, comparability, and utility of the scores.

Science Reporting

- DEED leadership determined that the outcome of the validation study provides support that the standards set in 2022 for the Alaska Science Assessment were validated and should not be changed.
- DEED will move forward with the performance standards for the Alaska Science Assessment, established in 2022, maintaining the cut scores for all grades and achievement levels as shown on the slide, as adopted by reference in AAC 06.739, [Assessment achievement level scores](#).

Grade	Needs Support	Approaching	Proficient	Advanced
5	400–579	580–615	616–672	673–800
8	400–585	586–612	613–655	656–800
10	400–570	571–600	601–641	642–800

Policy Review Meeting

- DEED engaged a Policy Review Committee to further review the process, outcomes, and policy considerations related to establishing the AK STAR achievement level scores.
- Policy Committee members include representatives from the standard setting and validation study educator panels, district leaders, policymakers, and representatives from higher education, business community, and a parent organization.

Policy Review Meeting – Outcomes

- The Policy Review Committee determined that changes to the AK STAR achievement level scale score ranges established in 2022 are warranted.
- Adjusted cut scores are being presented to the State Board of Education for consideration.

English Language Arts Achievement Level Scale Score Ranges

ELA PERFORMANCE LEVELS

Grade	Needs Support	Approaching	Proficient	Advanced
3	1400-1561	1562-1581	1582-1598	1599-1720
4	1410-1567	1568-1588	1589-1611	1612-1750
5	1420-1575	1576-1595	1596-1625	1626-1780
6	1430-1575	1576-1604	1605-1635	1636-1800
7	1440-1583	1584-1609	1610-1644	1645-1820
8	1450-1586	1587-1614	1615-1651	1652-1840
9	1450-1589	1590-1618	1619-1667	1668-1850



**Proposed
Cut Scores
2023**

Mathematics Achievement Level Scale Score Ranges

MATH PERFORMANCE LEVELS

Grade	Needs Support	Approaching	Proficient	Advanced
3	1400-1509	1510-1523	1524-1545	1546-1720
4	1410-1523	1524-1537	1538-1557	1558-1750
5	1420-1530	1531-1543	1544-1576	1577-1780
6	1430-1542	1543-1562	1563-1593	1594-1800
7	1440-1550	1551-1569	1570-1608	1609-1820
8	1450-1558	1559-1579	1580-1622	1623-1840
9	1450-1563	1564-1589	1590-1625	1626-1850

SPRING 2023 RESULTS NOW AVAILABLE



COMING SOON
AK STAR
ALASKA SYSTEM OF ACADEMIC READINESS

2023 Results

DEED committed to a multi-year approach to develop [AK STAR](#).

Several [key steps](#) ensure that the AK STAR test design and processes for setting expectations for student performance for the statewide assessment are well planned.



https://education.alaska.gov/assessments/AKSTAR_ResultsFlyer2023_final.pdf

Questions

