

Alaska Department of Education & Early Development

AK STAR and Alaska Science Assessments
Recommended Cut Scores – July 13, 2022



Standard Setting Process



Standard Setting Process

- Stakeholder representation
- Bookmark Procedure
- Based on academic expectations outlined in the Alaska academic standards and Achievement Level Descriptors (ALDs)
- Can vs. Should
- Validation – Summer 2023

Contextual Factors



Contextual Factors

- COVID-19 impacts
 - Varied modes of teaching and learning
 - Shifts in student population
 - Lower participation rates in testing
- New assessments – platform, format, content
- Inexperienced test-takers
- Persistent gaps carried forward from 2019 + prior

Recommended Cut Scores



Assessment Reporting - Achievement Categories



AK STAR & Alaska Science
Advanced
Proficient
Approaching
Needs Support



English Language Arts (ELA) 3-9 Recommended Cut Scores



ELA	Cut Scores			Impact Data*			
	Approaching	Proficient	Advanced	Needs Support	Approaching Proficient	Proficient	Advanced
Grade 3	1566	1589	1599	76.1%		23.9%	
				39.5%	36.6%	11.2%	12.7%
Grade 4	1572	1594	1612	69.3%		30.7%	
				38.2%	31.1%	17.9%	12.8%
Grade 5	1571	1596	1630	56.1%		43.9%	
				24.4%	31.7%	34.4%	9.5%
Grade 6	1574	1605	1657	56.9%		43.1%	
				23.8%	33.1%	38.1%	5.0%
Grade 7	1598	1618	1654	69.8%		30.1%	
				50.0%	19.8%	22.8%	7.3%
Grade 8	1595	1622	1652	68.4%		31.6%	
				44.7%	23.7%	19.1%	12.5%
Grade 9	1600	1629	1674	69.3%		30.6%	
				46.4%	22.9%	23.0%	7.6%

* Preliminary data based on standard setting process

Mathematics 3-9

Recommended Cut Scores



Math	Cut Scores			Impact Data *			
	Approaching	Proficient	Advanced	Needs Support	Approaching Proficient	Proficient	Advanced
Grade 3	1513	1528	1548	71.9%		28.0%	
				49.2%	22.7%	19.4%	8.6%
Grade 4	1526	1542	1555	72.6%		27.4%	
				50.6%	22.0%	12.7%	14.7%
Grade 5	1531	1544	1577	60.6%		39.3%	
				44.2%	16.4%	29.5%	9.8%
Grade 6	1543	1566	1594	70.0%		30.0%	
				45.0%	25.0%	20.3%	9.7%
Grade 7	1552	1585	1632	78.7%		21.3%	
				50.7%	28.0%	17.7%	3.6%
Grade 8	1587	1610	1644	86.0%		14.0%	
				72.6%	13.4%	9.3%	4.7%
Grade 9	1578	1605	1647	79.6%		20.4%	
				62.1%	17.5%	14.2%	6.2%

* Preliminary data based on standard setting process



Science 5, 8, 10 Recommended Cut Scores



	Cut Scores			Impact Data*			
Science	Approaching	Proficient	Advanced	Needs Support	Approaching Proficient	Proficient	Advanced
Grade 5	580	616	673	33.1%	24.5%	42.4%	
						31.5%	10.9%
Grade 8	586	613	656	44.5%	20.4%	35.1%	
						24.8%	10.3%
Grade 10	571	601	642	39.0%	23.9%	37.1%	
						26.0%	11.1%

* Preliminary data based on standard setting process

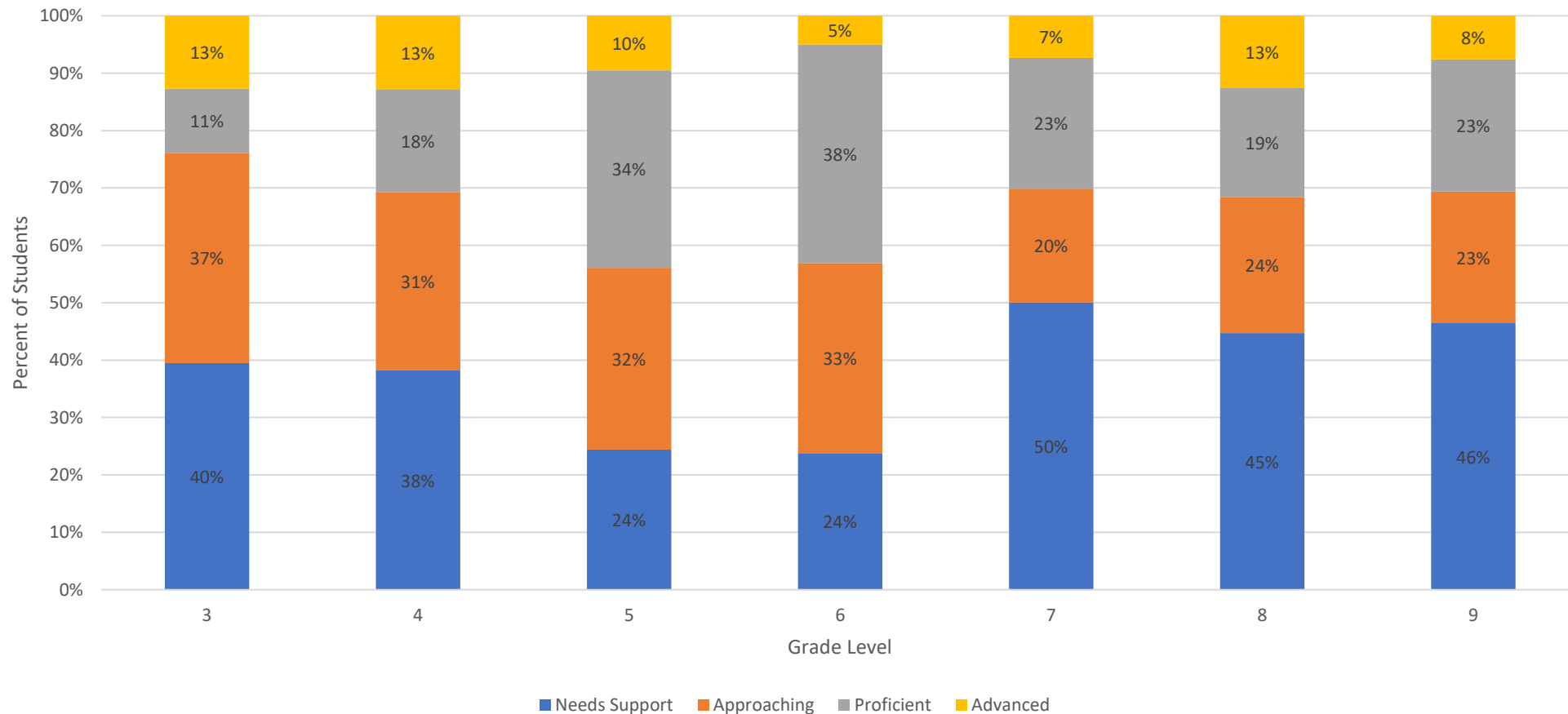
Impact Data - 2022

Preliminary Impact Data Based on the Standard Setting Process



ELA 3-9 Impact Data*

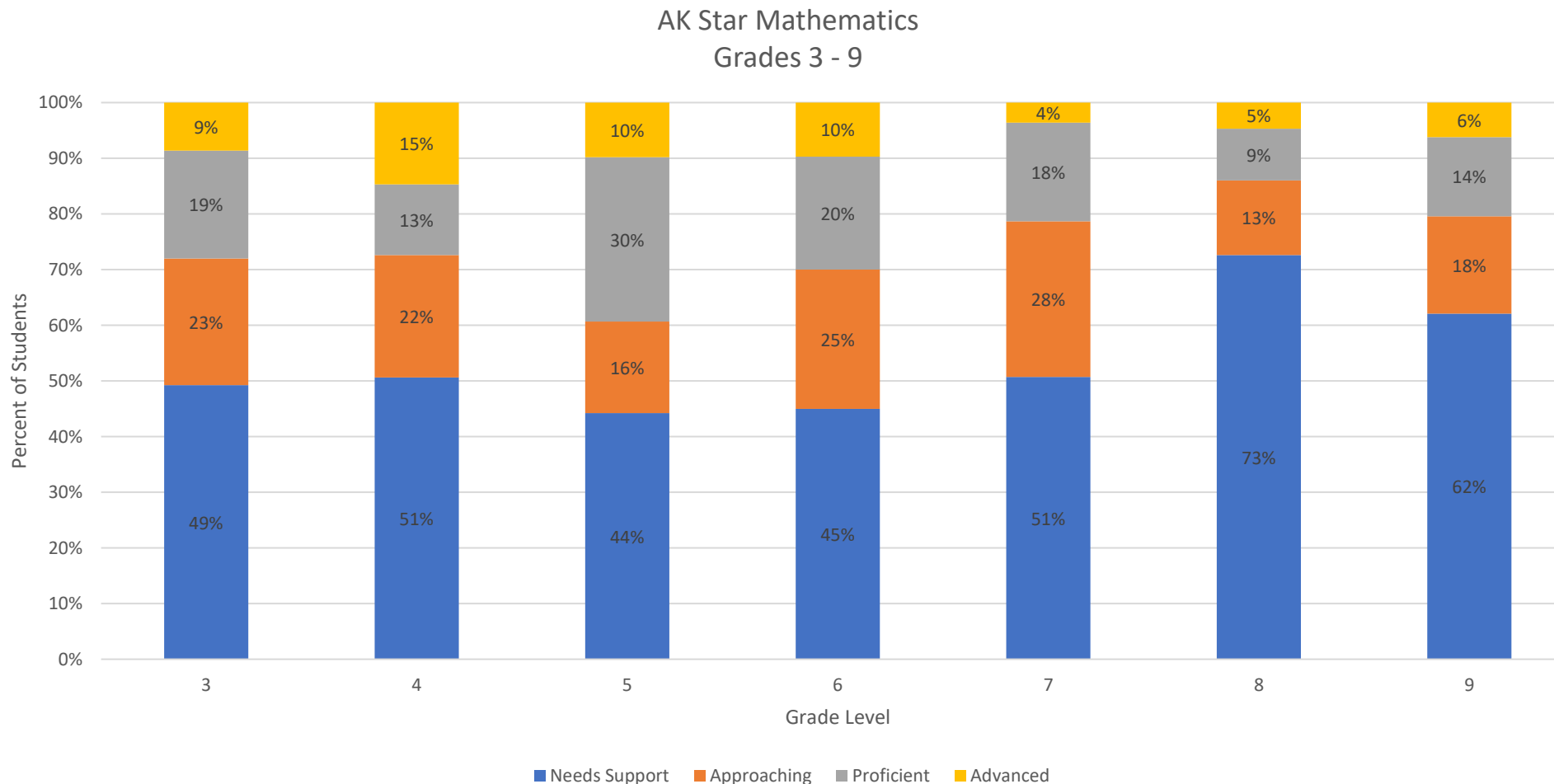
AK Star English Language Arts
Grades 3 - 9



* Preliminary data based on standard setting process



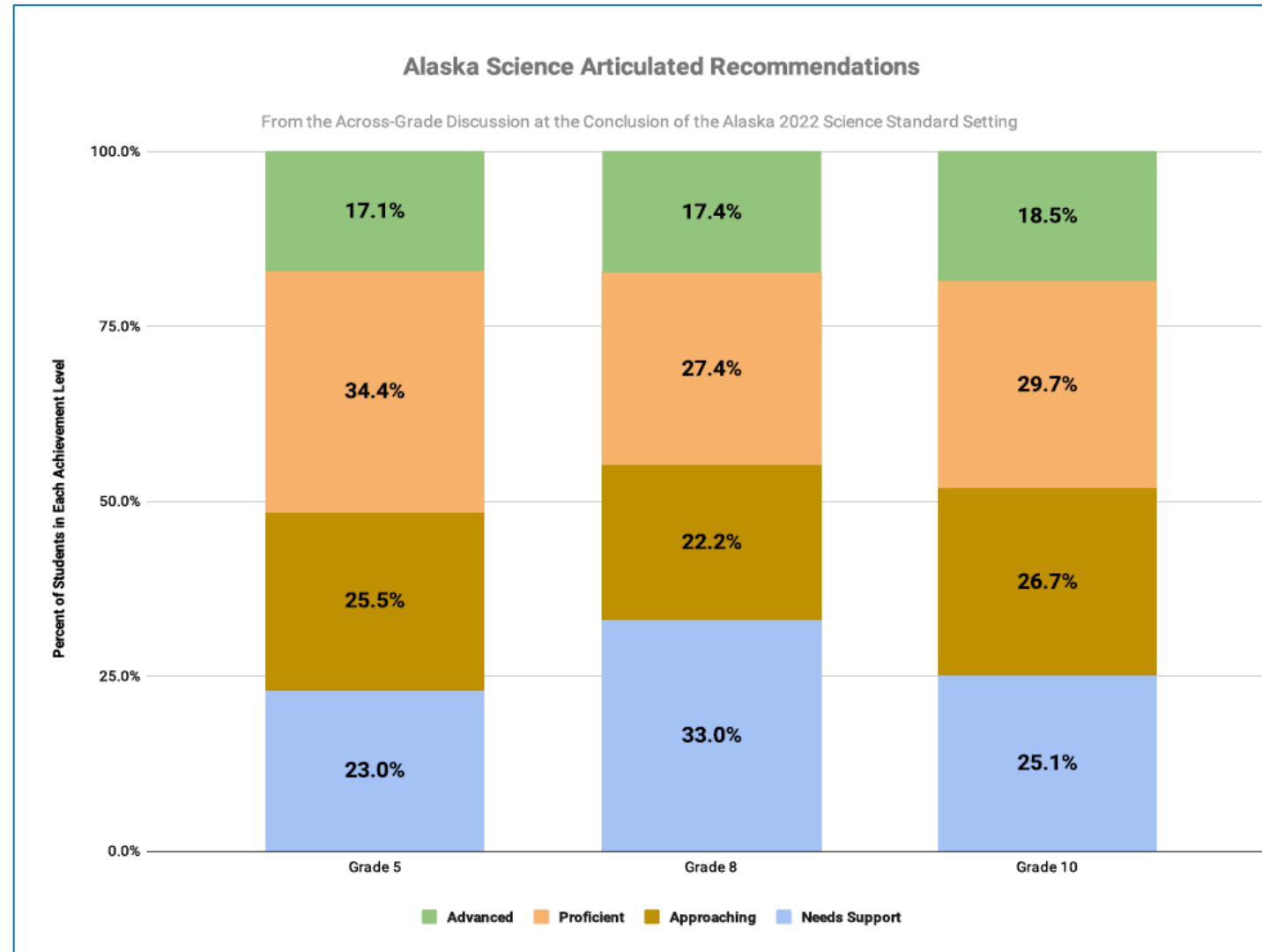
Mathematics 3-9 Impact Data*



* Preliminary data based on standard setting process



Science 5, 8, 10 Impact Data*



* Preliminary data based on standard setting process



DEED Assessments Team

Kelly Manning

Deputy Director of IEE

Kelly.Manning@alaska.gov

(907) 465-8431

Kari Quinto

Assessment Coordinator

Kari.Quinto@alaska.gov

(907) 465-8436

Elizabeth Greninger

Assessment Administrator

Elizabeth.Greninger@alaska.gov

(907) 465-8728

Rachel Schweissing

DTC Liaison

Rachel.Schweissing@alaska.gov

(907) 465-8433