



**California Department of Education  
Assessment Development &  
Administration Division**



California Assessment of  
Student Performance and Progress

**California Assessment of Student  
Performance and Progress**

**California Science Test  
2018–2019 Technical Report**

**Chapter 2 Appendix**

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## Appendix 2.A: Special Services Summaries

**Table 2.A.1 Special Services Summary for CAST, Grades Five and Eight—All Tested**

<b>Accessibility Resource</b>	<b>Grade 5 Number</b>	<b>Grade 5 Pct. of Total</b>	<b>Grade 8 Number</b>	<b>Grade 8 Pct. of Total</b>
Embedded Accommodation—American Sign Language	139	0.03	181	0.04
Embedded Accommodation—Braille	17	0.00	15	0.00
Non-Embedded Accommodation—Abacus	261	0.06	107	0.02
Non-Embedded Accommodation—Alternate Response Options	139	0.03	113	0.02
Non-Embedded Accommodation—Print on Demand	369	0.08	285	0.06
Non-Embedded Accommodation—Speech-to-Text	5,407	1.19	3,491	0.75
Non-Embedded Accommodation—Word Prediction	2,176	0.48	1,198	0.26
Embedded Designated Support—Color Contrast	1,402	0.31	883	0.19
Embedded Designated Support—Masking	7,998	1.75	5,902	1.28
Embedded Designated Support—Mouse Pointer (Size and Color)	770	0.17	279	0.06
Embedded Designated Support—Permissive Mode	1,653	0.36	969	0.21
Embedded Designated Support—Print Size	2,056	0.45	1,156	0.25
Embedded Designated Support—Stacked Translations	2,658	0.58	2,069	0.45
Embedded Designated Support—Streamlined Test Interface	4,607	1.01	3,232	0.70
Embedded Designated Support—Text to Speech	54,982	12.05	36,976	7.99
Embedded Designated Support—Translation Glossary	4,590	1.01	4,189	0.91
Embedded Designated Support—Turn off Universal Tools	0	0.00	0	0.00
Non-Embedded Designated Support—100s Number Table	9,625	2.11	2,220	0.48
Non-Embedded Designated Support—Amplification	385	0.08	257	0.06
Non-Embedded Designated Support—Calculator	8,972	1.97	12,943	2.80

Table 2.A.1 (continuation)

<b>Accessibility Resource</b>	<b>Grade 5 Number</b>	<b>Grade 5 Pct. of Total</b>	<b>Grade 8 Number</b>	<b>Grade 8 Pct. of Total</b>
Non-Embedded Designated Support—Color Contrast	388	0.09	281	0.06
Non-Embedded Designated Support—Color Overlay	362	0.08	203	0.04
Non-Embedded Designated Support—Magnification	1,274	0.28	721	0.16
Non-Embedded Designated Support—Medical Device	35	0.01	22	0.00
Non-Embedded Designated Support—Multiplication Table	18,355	4.02	8,250	1.78
Non-Embedded Designated Support—Noise Buffers	9,577	2.10	4,608	1.00
Non-Embedded Designated Support—Read Aloud	13,195	2.89	7,202	1.56
Non-Embedded Designated Support—Read Aloud in Spanish	827	0.18	580	0.13
Non-Embedded Designated Support—Science Charts	8,176	1.79	12,123	2.62
Non-Embedded Designated Support—Scribe	2,486	0.54	1,012	0.22
Non-Embedded Designated Support—Separate Setting	30,994	6.79	23,689	5.12
Non-Embedded Designated Support—Simplified Test Directions	22,422	4.91	14,079	3.04
Non-Embedded Designated Support—Translated Test Directions	1,630	0.36	1,506	0.33
Other—Unlisted Resources	20	0.00	75	0.02
Other—Designated support or accommodation is in IEP	42,633	9.34	37,344	8.07
Other—Designated support or accommodation is in Section 504 plan	1,925	0.42	1,634	0.35

**Table 2.A.2 Special Services Summary for CAST, High School Grades—All Tested**

<b>Accessibility Resource</b>	<b>Grade 10 Number</b>	<b>Grade 10 Pct. of Total</b>	<b>Grade 11 Number</b>	<b>Grade 11 Pct. of Total</b>	<b>Grade 12 Number</b>	<b>Grade 12 Pct. of Total</b>	<b>High School Number</b>	<b>High School Pct. of Total</b>
Embedded Accommodation—American Sign Language	7	0.03	81	0.03	114	0.04	202	0.04
Embedded Accommodation—Braille	1	0.00	3	0.00	8	0.00	12	0.00
Non-Embedded Accommodation—Abacus	5	0.02	71	0.03	27	0.01	103	0.02
Non-Embedded Accommodation—Alternate Response Options	4	0.02	61	0.02	48	0.02	113	0.02
Non-Embedded Accommodation—Print on Demand	3	0.01	113	0.04	105	0.04	221	0.04
Non-Embedded Accommodation—Speech-to-Text	89	0.38	763	0.30	461	0.17	1,313	0.24
Non-Embedded Accommodation—Word Prediction	24	0.10	264	0.10	112	0.04	400	0.07
Embedded Designated Support—Color Contrast	16	0.07	364	0.14	1,483	0.54	1,863	0.33
Embedded Designated Support—Masking	202	0.87	1,298	0.51	3,965	1.44	5,465	0.98
Embedded Designated Support—Mouse Pointer (Size and Color)	3	0.01	179	0.07	1,589	0.58	1,771	0.32
Embedded Designated Support—Permissive Mode	20	0.09	186	0.07	144	0.05	350	0.06
Embedded Designated Support—Print Size	18	0.08	236	0.09	272	0.10	526	0.09
Embedded Designated Support—Stacked Translations	25	0.11	1,195	0.47	397	0.14	1,617	0.29
Embedded Designated Support—Streamlined Test Interface	178	0.76	761	0.30	472	0.17	1,411	0.25
Embedded Designated Support—Text to Speech	784	3.36	9,204	3.58	7,096	2.57	17,084	3.07
Embedded Designated Support—Translation Glossary	230	0.99	1,667	0.65	4,336	1.57	6,233	1.12
Embedded Designated Support—Turn off Universal Tools	0	0.00	0	0.00	0	0.00	0	0.00
Non-Embedded Designated Support—100s Number Table	35	0.15	335	0.13	218	0.08	588	0.11
Non-Embedded Designated Support—Amplification	3	0.01	99	0.04	60	0.02	162	0.03
Non-Embedded Designated Support—Calculator	536	2.30	3,487	1.36	2,792	1.01	6,815	1.23

Table 2.A.2 (continuation)

<b>Accessibility Resource</b>	<b>Grade 10 Number</b>	<b>Grade 10 Pct. of Total</b>	<b>Grade 11 Number</b>	<b>Grade 11 Pct. of Total</b>	<b>Grade 12 Number</b>	<b>Grade 12 Pct. of Total</b>	<b>High School Number</b>	<b>High School Pct. of Total</b>
Non-Embedded Designated Support—Color Contrast	8	0.03	109	0.04	89	0.03	206	0.04
Non-Embedded Designated Support—Color Overlay	11	0.05	100	0.04	60	0.02	171	0.03
Non-Embedded Designated Support—Magnification	11	0.05	231	0.09	179	0.06	421	0.08
Non-Embedded Designated Support—Medical Device	1	0.00	9	0.00	8	0.00	18	0.00
Non-Embedded Designated Support—Multiplication Table	116	0.50	1,025	0.40	645	0.23	1,786	0.32
Non-Embedded Designated Support—Noise Buffers	332	1.42	1,200	0.47	984	0.36	2,516	0.45
Non-Embedded Designated Support—Read Aloud	192	0.82	1,844	0.72	1,344	0.49	3,380	0.61
Non-Embedded Designated Support—Read Aloud in Spanish	5	0.02	335	0.13	177	0.06	517	0.09
Non-Embedded Designated Support—Science Charts	235	1.01	3,584	1.40	3,171	1.15	6,990	1.26
Non-Embedded Designated Support—Scribe	40	0.17	183	0.07	142	0.05	365	0.07
Non-Embedded Designated Support—Separate Setting	970	4.16	8,993	3.50	7,426	2.69	17,389	3.13
Non-Embedded Designated Support—Simplified Test Directions	900	3.86	4,752	1.85	6,705	2.43	12,357	2.22
Non-Embedded Designated Support—Translated Test Directions	25	0.11	891	0.35	417	0.15	1,333	0.24
Other—Unlisted Resources	0	0.00	7	0.00	0	0.00	7	0.00
Other—Designated support or accommodation is in IEP	1,455	6.24	11,951	4.65	9,667	3.50	23,073	4.15
Other—Designated support or accommodation is in Section 504 plan	81	0.35	713	0.28	513	0.19	1,307	0.23