

COLORADO STUDENT ASSESSMENT PROGRAM

CSAP - English Edition
Science - Grade 8
2001

School and District
Research Tape Format



I. GENERAL INFORMATION

TEST GRADES, LEVELS, AND CONTENT AREAS

The location of these fields in the student record is as follows.

Content area: pos. 9 - 11
Grade: pos. 47 - 48
Form: pos. 101 - 102
Level: pos. 103 - 104

Form: J
Content Area: 006 Science

Grade 8 Level: 18

RECORD LENGTH

470 bytes

TOTAL TEST SCORES

Omitted tests will have blank score fields, except for the total test Performance Level which is '5' if the student did not have a valid attempt on the test.

Students will not have a total test score if either of the following is true.

1. Special Codes column Q = 1, 2, 3, 4, 5 or 6 Science (Q)
2. Student did not answer enough items to have a valid attempt on the test.

CONTENT STANDARDS INFORMATION

Only the standards appropriate for a particular test/level will contain information.

Students will not have any Content Standard scores if either of the following is true.

1. Special Codes column Q = 1, 2, 3, 4, 5 or 6 Science (Q)
2. Student did not answer enough items to have a valid attempt on the test.

SUB-CONTENT STANDARDS INFORMATION

Only the sub-content standards appropriate for a particular test/level will contain information.

Students will not have any Sub-Content Standard scores if either of the following is true.

1. Special Codes column Q = 1, 2, 3, 4, 5 or 6 Science (Q)
2. Student did not answer enough items to have a valid attempt on the test.

ITEM RESPONSE INFORMATION

The number of bytes allocated on the record for the Multiple Choice Items for each test session is 45 and for Constructed Response Items for each test session is 10. The unused positions of any section

will be padded to the right with blanks. If a student has omitted a Multiple Choice item, that position is blank. All Constructed Response items will have a numeric value representing the score or a condition code.

Please note that the GRT Record Layout has changed from last year (2000). It was modified because we have added special codes as well as the sub-content standards.

Multiple Choice Items

Each item in the test is represented by a byte that contains one of the following:

Contents	Meaning
Blank	Omitted multiple choice item or multiple marked item
1	Wrong, response position 1 marked
2	Wrong, response position 2 marked
3	Wrong, response position 3 marked
4	Wrong, response position 4 marked
5	Right, response position 1 marked
6	Right, response position 2 marked
7	Right, response position 3 marked
8	Right, response position 4 marked

Constructed Response Items

Each item is represented by a byte that contains one of the following:

Contents	Meaning
0 - 5	Number of points received
6	No response - Blank
7	No response – Refusal
8	Illegible
9	Other language

II. GENERAL RESEARCH TAPE FORMAT

Record Length = 470 bytes

A. STUDENT BIOGRAPHIC INFORMATION

COLUMN	FIELD DESCRIPTION
1	CTB Mode
2-8	CTB Organization ID
9-11	Content Area 006 = Science
12-41	District Name
42-45	District Number
46	District Size 1 = 300 or less 2 = 301 - 600 3 = 601 - 1200 4 = 1201 - 6000 5 = 6001 - 25000 6 = more than 25000
47-48	Grade
49-50	State
51-80	School Name
81-84	School Number
85-91	CTB Student Element Number
92-100	Test Name (CSAP)
101-102	Test Form (always J for 2001)
103-104	Test Level (Changes) 18 = Grade 8
105-110	Official Test Date (MMDDYY)
111-119	Student ID (blank on state tape)
120	Ethnicity - Column J 1 = American Indian or Alaskan Native 2 = Asian or Pacific Islander 3 = Black (Not Hispanic) 4 = Hispanic 5 = White (Not Hispanic)
121	Migrant Status – Column K 0 = Non-migrant 1 = Migrant
122	Time in District - Column L 0 = 12+ Months 1 = 6-12 Months 2 = 3-6 Months 3 = 0-3 Months
123	Time in School - Column M 0 = 12+ Months 1 = 6-12 Months 2 = 3-6 Months 3 = 0-3 Months

- 124 Science Accommodations – Column N (Changes)
- 0 = None
 - 1 = Braille version
 - 2 = Large print
 - 3 = Oral presentation
 - 4 = Use of Number line
 - 5 = Scribe
 - 6 = Signing
 - 7 = Assistive communication device
 - 8 = Extended timing
 - 9 = Oral Presentation of Entire Test (New)
- 125 Writing Accommodations – Column O (Will be blank for Science)
- 0 = None
 - 1 = Braille version
 - 2 = Large-print version
 - 3 = Oral Presentation
 - 4 = Not Applicable
 - 5 = Scribe
 - 6 = Signing of presentation or response
 - 7 = Assistive communication device for response
 - 8 = Extended/modified timing/scheduling of administration
- 126 Language Background - Column P (Changes)
- 0 = English
 - 1 = Spanish-NES; fewer than 3 years
 - 2 = Spanish-NES; 3 or more years
 - 3 = Spanish-LES; fewer than 3 years
 - 4 = Spanish-LES; 3 or more years
 - 5 = Spanish-FES
 - 6 = Other-NES; fewer than 3 years
 - 7 = Other-NES; 3 or more years
 - 8 = Other-LES; fewer than 3 years
 - 9 = Other-LES; 3 or more years
 - A = Other-FES
- 127 Did Not Test - Column Q for Science (Changes)
- 0 = Student tested all sessions
 - 1 = Does not read English or Spanish
 - 2 = Taking CSAP Alt. Assessment
 - 3 = Eligible to take CSAP Alt. Assessment
 - 4 = Parental refusal
 - 5 = Test invalidated
 - 6 = Student withdrew before completion
- 128 Disabilities – Column R
- 0 = None
 - 1 = Sig. ltd. intellec. capacity
 - 2 = Emotional disability
 - 3 = Percep./commun. disability
 - 4 = Hearing disability
 - 5 = Visual disability
 - 6 = Physical disability
 - 7 = Speech/language disability
 - 8 = Deaf-blind
 - 9 = Multiple disabilities
 - A = Autism

B = Traumatic brain injury
 129 IEP - Column S
 0 = Yes
 Blank = No
 130 504 Plan - Column T
 0 = Yes
 Blank = No
 131 Title I - Column U
 0 = Yes
 Blank = No
 132 Did Not Test - Column V (Blank for Science)
 133 Oct New CO - Column W (Col. V in the book bio grid) **New Field**
 0 = Yes
 Blank = No
 134 Bilingual - Column X (Col. W in the book bio grid) **New Field**
 0 = Yes
 Blank = No
 135 ESL - Column Y (Col. X in the book bio grid) **New Field**
 0 = Yes
 Blank = No
 136 For CTB Use – Expelled
 1 = Expelled
 137-142 Birth Date (MMDDYY)
 143-171 Student Name (blank on state tape)
 172-174 Chronological Age (In Months)
 175 Student's Gender
 F = Female
 M = Male

B. LAYOUT OF STUDENT SCORE DATA

1. TOTAL TEST SCORES

(If a student did not have scores reported, the scale scores will be blank.)

176-178	Scale Score
179	Performance Level
	1 = Unsatisfactory
	2 = Partially Proficient
	3 = Proficient
	4 = Advanced
	5 = Not Tested/Invalid
180-185	Blank

2. CONTENT STANDARD SCORES

(Fields will be blank if the Content Standard is not applicable for the Content Area or if the student did not have scores reported.)

COLUMN	FIELD DESCRIPTION
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First Content Standard	(Science: Content Standard 1)
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186-188	Scale Score
189	Performance Level
	1 = Below Proficient
	2 = At or Above Proficient
190-195	blank

Second Content Standard	(Science: Content Standard 2)
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196-198	Scale Score
199	Performance Level
	1 = Below Proficient
	2 = At or Above Proficient
200-205	blank

Third Content Standard	(Science: Content Standard 3)
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206-208	Scale Score
209	Performance Level
	1 = Below Proficient
	2 = At or Above Proficient
210-215	blank

Fourth Content Standard	(Science: Content Standard 4)
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216-218	Scale Score
219	Performance Level
	1 = Below Proficient
	2 = At or Above Proficient
220-225	blank

Fifth Content Standard	(Science: Content Standard 5 & 6)
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226-228	Scale Score
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229 Performance Level
1 = Below Proficient
2 = At or Above Proficient
230-235 blank

Sixth Content Standard (Not applicable for Science)

236-238 Scale Score
239 Performance Level
1 = Below Proficient
2 = At or Above Proficient
240-245 blank

3. SUB CONTENT STANDARD SCORES

First Sub-Content Standard (Sub Content Standard 1)

246-248 Scale Score
249 Performance Level
1 = Below Proficient
2 = At or Above Proficient
250-255 blank

Second Sub-Content Standard (Sub Content Standard 2)

256-258 Scale Score
259 Performance Level
1 = Below Proficient
2 = At or Above Proficient
260-265 blank

Third Sub-Content Standard (Sub Content Standard 3)

266-268 Scale Score
269 Performance Level
1 = Below Proficient
2 = At or Above Proficient
270-275 blank

Fourth Sub Content Standard (Sub Content Standard 4)

276-278 Scale Score
279 Performance Level
1 = Below Proficient
2 = At or Above Proficient
280-285 blank

Fifth Sub Content Standard (Sub Content Standard 5)

286-288 Scale Score
289 Performance Level
1 = Below Proficient
2 = At or Above Proficient
290-295 blank

Sixth Sub Content Standard (Not applicable for Science)

296-298 Scale Score
299 Performance Level

1 = Below Proficient
 2 = At or Above Proficient

300-305 blank

C. ITEM RESPONSES

306-350 Session 1 multiple choice items
 351-395 Session 2 multiple choice items
 396-440 Session 3 multiple choice items (If applicable)

441-450 Session 1 constructed response items
 451-460 Session 2 constructed response items
 461-470 Session 3 constructed response items (If applicable)

The following table shows the number of items by item type & test session for the 2001 Grade 8 test.

Test		Book Session Number	Item Response Session # (see above)	No of Multiple Choice Items	No of Constructed Response Items
Gr. 8	Science	1	1	18	7
		2	2	22	6
		3	3	23	7

See following pages for item mappings.

English Science Grade 8, Form J for 2001

GRT Position	Book Item No.	Item Response Session	Item Type
306	1	1	multiple choice
307	2	1	multiple choice
308	3	1	multiple choice
309	4	1	multiple choice
310	5	1	multiple choice
311	6	1	multiple choice
312	7	1	multiple choice
313	8	1	multiple choice
314	9	1	multiple choice
315	10	1	multiple choice
316	11	1	multiple choice
317	12	1	multiple choice
318	13	1	multiple choice
319	14	1	multiple choice
320	15	1	multiple choice
321	16	1	multiple choice
322	17	1	multiple choice
323	18	1	multiple choice (18)
324 - 350	n/a	1	blank - MC Session 1
351	26	2	multiple choice
352	27	2	multiple choice
353	28	2	multiple choice
354	29	2	multiple choice
355	31	2	multiple choice
356	32	2	multiple choice
357	33	2	multiple choice
358	34	2	multiple choice
359	35	2	multiple choice
360	38	2	multiple choice
361	39	2	multiple choice
362	40	2	multiple choice
363	41	2	multiple choice
364	42	2	multiple choice
365	44	2	multiple choice
366	45	2	multiple choice
367	46	2	multiple choice
368	47	2	multiple choice
369	48	2	multiple choice
370	49	2	multiple choice
371	50	2	multiple choice
372	51	2	multiple choice (22)
373 - 395	n/a	2	blank - MC Session 2
396	54	3	multiple choice
397	55	3	multiple choice
398	56	3	multiple choice

399	58	3	multiple choice
400	59	3	multiple choice
401	60	3	multiple choice
402	61	3	multiple choice
403	62	3	multiple choice
404	63	3	multiple choice
405	64	3	multiple choice
406	67	3	multiple choice
407	68	3	multiple choice
408	70	3	multiple choice
409	71	3	multiple choice
410	73	3	multiple choice
411	75	3	multiple choice
412	76	3	multiple choice
413	77	3	multiple choice
414	78	3	multiple choice
415	79	3	multiple choice
416	80	3	multiple choice
417	82	3	multiple choice
418	83	3	multiple choice (23)
419 - 440	n/a	3	blank - MC Session 3
441	19	1	constructed response
442	20	1	constructed response
443	21	1	constructed response
444	22	1	constructed response
445	23	1	constructed response
446	24	1	constructed response
447	25	1	constructed response (7)
448 - 450	n/a	1	blank - CR Session 1
451	30	2	constructed response
452	36	2	constructed response
453	37	2	constructed response
454	43	2	constructed response
455	52	2	constructed response
456	53	2	constructed response (6)
457 - 460	n/a	2	blank - CR Session 2
461	57	2	constructed response
462	65	3	constructed response
463	66	3	constructed response
464	69	3	constructed response
465	72	3	constructed response
466	74	3	constructed response
467	81	3	constructed response (7)
468 - 470	n/a	3	blank - CR Session 3