

U.S. DEPARTMENT OF EDUCATION  
NATIONAL CENTER FOR EDUCATION STATISTICS  
ARTS SURVEY OF ELEMENTARY SCHOOL CLASSROOM TEACHERS, 2010  
FAST RESPONSE SURVEY SYSTEM  
PUBLIC USE FILE

School enrollment size

SIZE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Less than 300	128	17.44	128	17.44
300 to 499	256	34.88	384	52.32
500 or more	350	47.68	734	100.00

School community type

URBAN	Frequency	Percent	Cumulative Frequency	Cumulative Percent
City	184	25.07	184	25.07
Suburb	239	32.56	423	57.63
Town	108	14.71	531	72.34
Rural	203	27.66	734	100.00

School region

OEREG	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Northeast	129	17.57	129	17.57
Southeast	202	27.52	331	45.10
Central	178	24.25	509	69.35
West	225	30.65	734	100.00

School minority enrollment

MINST	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Less than 6 percent	117	15.94	117	15.94
6 to 20 percent	169	23.02	286	38.96
21 to 49 percent	203	27.66	489	66.62
50 percent or more	245	33.38	734	100.00

Percent of students in the school eligible for free or reduced-price lunch

POVST	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Missing	2	0.27	2	0.27
25 percent or less	176	23.98	178	24.25
26 to 50 percent	167	22.75	345	47.00
51 to 75 percent	209	28.47	554	75.48
76 percent or more	180	24.52	734	100.00

School level

LEVEL	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Elementary	716	97.55	716	97.55
Combined	18	2.45	734	100.00

Year-bachelor "Topcoded for Analysis: Q2AB"

T_Q2AB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Missing	3	0.41	3	0.41
Prior to 1970	11	1.50	14	1.91
1970	9	1.23	23	3.13
1971	8	1.09	31	4.22
1972	11	1.50	42	5.72
1973	12	1.63	54	7.36
1974	11	1.50	65	8.86
1975	14	1.91	79	10.76
1976	19	2.59	98	13.35
1977	13	1.77	111	15.12
1978	17	2.32	128	17.44
1979	9	1.23	137	18.66
1980	16	2.18	153	20.84
1981	8	1.09	161	21.93
1982	7	0.95	168	22.89
1983	16	2.18	184	25.07
1984	7	0.95	191	26.02
1985	21	2.86	212	28.88
1986	13	1.77	225	30.65
1987	17	2.32	242	32.97
1988	12	1.63	254	34.60
1989	13	1.77	267	36.38
1990	23	3.13	290	39.51
1991	16	2.18	306	41.69
1992	27	3.68	333	45.37
1993	18	2.45	351	47.82
1994	18	2.45	369	50.27
1995	20	2.72	389	53.00
1996	26	3.54	415	56.54
1997	26	3.54	441	60.08
1998	22	3.00	463	63.08
1999	27	3.68	490	66.76
2000	24	3.27	514	70.03
2001	34	4.63	548	74.66
2002	34	4.63	582	79.29
2003	41	5.59	623	84.88
2004	30	4.09	653	88.96
2005	21	2.86	674	91.83
2006	16	2.18	690	94.01
2007	21	2.86	711	96.87
2008	11	1.50	722	98.37
2009 or later	12	1.63	734	100.00

Hold master's degree

Q2BA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	369	50.27	369	50.27
No	365	49.73	734	100.00

Year-master's "Topcoded for Analysis: Q2BB"

T_Q2BB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	365	49.73	365	49.73
Prior to 1980	15	2.04	380	51.77
1980 to 1984	17	2.32	397	54.09
1985 to 1989	29	3.95	426	58.04
1990 to 1994	30	4.09	456	62.13
1995	13	1.77	469	63.90
1996	13	1.77	482	65.67
1997	10	1.36	492	67.03
1998	10	1.36	502	68.39
1999	14	1.91	516	70.30
2000	15	2.04	531	72.34
2001	12	1.63	543	73.98
2002	20	2.72	563	76.70
2003	23	3.13	586	79.84
2004	16	2.18	602	82.02
2005	24	3.27	626	85.29
2006	24	3.27	650	88.56
2007	26	3.54	676	92.10
2008	28	3.81	704	95.91
2009	20	2.72	724	98.64
2010	10	1.36	734	100.00

Hold doctorate degree

Q2CA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	734	100.00	734	100.00

Analysis Variable : Q2CB Year-doctorate

Sum	Minimum	Maximum	Std Dev
-5872.00	-8.0000000	-8.0000000	0

Hold other (specify) degree

Q2DA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	21	2.86	21	2.86
No	713	97.14	734	100.00

Year-other (specify) degree "Topcoded for Analysis: Q2DB"

T_Q2DB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	713	97.14	713	97.14
Prior to 1990	7	0.95	720	98.09
1991 to 1995	5	0.68	725	98.77
1996 to 2010	9	1.23	734	100.00

Hold certificate/license

Q3AA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	725	98.77	725	98.77
No	9	1.23	734	100.00

Hold type-certificate/license

	Q3AB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable		9	1.23	9	1.23
Regular/standard/professional		696	94.82	705	96.05
Probationary		16	2.18	721	98.23
Provisional/temporary/emergency		13	1.77	734	100.00

Hold other (specify) certificate

	Q3BA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes		144	19.62	144	19.62
No		590	80.38	734	100.00

Hold type other (Specify) certificate

	Q3BB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable		590	80.38	590	80.38
Regular/standard/professional		135	18.39	725	98.77
Probationary		4	0.54	729	99.32
Provisional/temporary/emergency		5	0.68	734	100.00

Years employed "Topcoded for Analysis: Q4"

	T_Q4	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1		14	1.91	14	1.91
2		21	2.86	35	4.77
3		32	4.36	67	9.13
4		36	4.90	103	14.03
5		43	5.86	146	19.89
6		30	4.09	176	23.98
7		45	6.13	221	30.11
8		36	4.90	257	35.01
9		28	3.81	285	38.83
10		35	4.77	320	43.60
11		30	4.09	350	47.68
12		29	3.95	379	51.63
13		34	4.63	413	56.27
14		24	3.27	437	59.54
15		27	3.68	464	63.22
16		17	2.32	481	65.53
17		23	3.13	504	68.66
18		14	1.91	518	70.57
19		18	2.45	536	73.02
20		19	2.59	555	75.61
21		13	1.77	568	77.38
22		17	2.32	585	79.70
23		24	3.27	609	82.97
24		13	1.77	622	84.74
25		12	1.63	634	86.38
26		9	1.23	643	87.60
27		12	1.63	655	89.24
28		5	0.68	660	89.92
29		12	1.63	672	91.55
30		16	2.18	688	93.73
31		5	0.68	693	94.41
32		5	0.68	698	95.10
33		8	1.09	706	96.19
34		8	1.09	714	97.28
35		6	0.82	720	98.09
Over 35 years		14	1.91	734	100.00

Number students enrolled "Topcoded for Analysis: Q5"

T_Q5	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Fewer than 12	9	1.23	9	1.23
12	10	1.36	19	2.59
13	6	0.82	25	3.41
14	13	1.77	38	5.18
15	26	3.54	64	8.72
16	34	4.63	98	13.35
17	41	5.59	139	18.94
18	56	7.63	195	26.57
19	51	6.95	246	33.51
20	86	11.72	332	45.23
21	70	9.54	402	54.77
22	70	9.54	472	64.31
23	67	9.13	539	73.43
24	52	7.08	591	80.52
25	39	5.31	630	85.83
26	27	3.68	657	89.51
27	21	2.86	678	92.37
28	16	2.18	694	94.55
29	11	1.50	705	96.05
30	13	1.77	718	97.82
Over 30	16	2.18	734	100.00

Prof. dev.-study art/art education

Q6AA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
None	574	78.20	574	78.20
1-8 hours	131	17.85	705	96.05
More than 8 hours	29	3.95	734	100.00

Prof. dev.-study art education/improved teaching

Q6AB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	574	78.20	574	78.20
Not at all	6	0.82	580	79.02
Small extent	71	9.67	651	88.69
Moderate extent	59	8.04	710	96.73
Great extent	24	3.27	734	100.00

Prof. dev.-developing knowledge about arts

Q6BA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
None	597	81.34	597	81.34
1-8 hours	111	15.12	708	96.46
More than 8 hours	26	3.54	734	100.00

Prof. dev.-developing knowledge/improved teaching

Q6BB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	596	81.20	596	81.20
Not at all	6	0.82	602	82.02
Small extent	72	9.81	674	91.83
Moderate extent	46	6.27	720	98.09
Great extent	14	1.91	734	100.00

Prof. dev.-connecting art learning

Q6CA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
None	473	64.44	473	64.44
1-8 hours	209	28.47	682	92.92
More than 8 hours	52	7.08	734	100.00

Prof. dev.-connecting art learning/improved teaching

Q6CB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	473	64.44	473	64.44
Not at all	12	1.63	485	66.08
Small extent	101	13.76	586	79.84
Moderate extent	102	13.90	688	93.73
Great extent	46	6.27	734	100.00

Prof. dev.-research on arts

Q6DA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
None	585	79.70	585	79.70
1-8 hours	131	17.85	716	97.55
More than 8 hours	18	2.45	734	100.00

Prof. dev.-research on arts/improved teaching

Q6DB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	584	79.56	584	79.56
Not at all	4	0.54	588	80.11
Small extent	66	8.99	654	89.10
Moderate extent	56	7.63	710	96.73
Great extent	24	3.27	734	100.00

Prof. dev.-incorporating state/district standards

Q6EA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
None	158	21.53	158	21.53
1-8 hours	300	40.87	458	62.40
More than 8 hours	276	37.60	734	100.00

Prof. dev.-incorporating standards/improved teaching

Q6EB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	157	21.39	157	21.39
Not at all	20	2.72	177	24.11
Small extent	129	17.57	306	41.69
Moderate extent	256	34.88	562	76.57
Great extent	172	23.43	734	100.00

Prof. dev.-student assessment

Q6FA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
None	125	17.03	125	17.03
1-8 hours	343	46.73	468	63.76
More than 8 hours	266	36.24	734	100.00

Prof. dev.-student assessment/improved teaching

Q6FB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	125	17.03	125	17.03
Not at all	16	2.18	141	19.21
Small extent	129	17.57	270	36.78
Moderate extent	273	37.19	543	73.98
Great extent	191	26.02	734	100.00

Prof. dev.-integrating technologies

Q6GA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
None	115	15.67	115	15.67
1-8 hours	414	56.40	529	72.07
More than 8 hours	205	27.93	734	100.00

Prof. dev.-integrating technologies/improved teaching

Q6GB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	115	15.67	115	15.67
Not at all	13	1.77	128	17.44
Small extent	150	20.44	278	37.87
Moderate extent	272	37.06	550	74.93
Great extent	184	25.07	734	100.00

No designated planning time

Q7BOX	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not checked	670	91.28	670	91.28
Checked	64	8.72	734	100.00

Analysis Variable : Q7 Number hours/planning time

Sum	Minimum	Maximum	Std Dev
1990.00	-8.0000000	10.0000000	3.5979319

Students occupied/music class

Q8A	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	64	8.72	64	8.72
Yes	612	83.38	676	92.10
No	58	7.90	734	100.00

Students occupied/visual arts class

Q8B	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	64	8.72	64	8.72
Yes	465	63.35	529	72.07
No	205	27.93	734	100.00

Students occupied/P.E./health class

Q8C	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	64	8.72	64	8.72
Yes	637	86.78	701	95.50
No	33	4.50	734	100.00

Students occupied/library/media center

Q8D	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	64	8.72	64	8.72
Yes	432	58.86	496	67.57
No	238	32.43	734	100.00

Students occupied/computer lab

Q8E	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	64	8.72	64	8.72
Yes	270	36.78	334	45.50
No	400	54.50	734	100.00

Students occupied/other (specify) classes

Q8F	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	64	8.72	64	8.72
Yes	132	17.98	196	26.70
No	538	73.30	734	100.00

No Visual arts/music specialist at the school

Q9BOX	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not checked	677	92.23	677	92.23
Checked	57	7.77	734	100.00

Planning period/arts specialist

Q9A	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	57	7.77	57	7.77
Never	551	75.07	608	82.83
A few times a year	87	11.85	695	94.69
Once a month	13	1.77	708	96.46
2-3 times a month	9	1.23	717	97.68
At least once a week	17	2.32	734	100.00

Integrate arts into a lesson/unit

Q9B	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	57	7.77	57	7.77
Never	398	54.22	455	61.99
A few times a year	230	31.34	685	93.32
Once a month	32	4.36	717	97.68
2-3 times a month	11	1.50	728	99.18
At least once a week	6	0.82	734	100.00



Designing/teaching interdisciplinary unit

Q9C	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	57	7.77	57	7.77
Never	481	65.53	538	73.30
A few times a year	158	21.53	696	94.82
Once a month	23	3.13	719	97.96
2-3 times a month	9	1.23	728	99.18
At least once a week	6	0.82	734	100.00

Attended/observed classes

Q9D	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	57	7.77	57	7.77
Never	490	66.76	547	74.52
A few times a year	133	18.12	680	92.64
Once a month	16	2.18	696	94.82
2-3 times a month	11	1.50	707	96.32
At least once a week	27	3.68	734	100.00

Common planning period/other teachers

Q9E	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Never	54	7.36	54	7.36
A few times a year	74	10.08	128	17.44
Once a month	52	7.08	180	24.52
2-3 times a month	90	12.26	270	36.78
At least once a week	464	63.22	734	100.00

Shared ideas/other teachers outside this school

Q9F	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Never	86	11.72	86	11.72
A few times a year	370	50.41	456	62.13
Once a month	100	13.62	556	75.75
2-3 times a month	73	9.95	629	85.69
At least once a week	105	14.31	734	100.00

Site-based mgt./leadership councils

Q9G	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Never	121	16.49	121	16.49
A few times a year	231	31.47	352	47.96
Once a month	190	25.89	542	73.84
2-3 times a month	129	17.57	671	91.42
At least once a week	63	8.58	734	100.00

Input in IEPs

Q9H	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Never	63	8.58	63	8.58
A few times a year	444	60.49	507	69.07
Once a month	97	13.22	604	82.29
2-3 times a month	85	11.58	689	93.87
At least once a week	45	6.13	734	100.00

Important part of curriculum

Q10A	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Strongly disagree	40	5.45	40	5.45
Somewhat disagree	36	4.90	76	10.35
Somewhat agree	173	23.57	249	33.92
Strongly agree	485	66.08	734	100.00

Students look forward to arts

Q10B	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Strongly disagree	29	3.95	29	3.95
Somewhat disagree	16	2.18	45	6.13
Somewhat agree	110	14.99	155	21.12
Strongly agree	579	78.88	734	100.00

Art specialists responsible for arts instruction

Q10C	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Strongly disagree	35	4.77	35	4.77
Somewhat disagree	97	13.22	132	17.98
Somewhat agree	287	39.10	419	57.08
Strongly agree	315	42.92	734	100.00

Arts included in classroom instruction

Q11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	643	87.60	643	87.60
No	91	12.40	734	100.00

Incorporating music in other areas

Q12A	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	91	12.40	91	12.40
Never	54	7.36	145	19.75
A few times a year	228	31.06	373	50.82
Once a month	59	8.04	432	58.86
2-3 times a month	93	12.67	525	71.53
At least once a week	209	28.47	734	100.00

Incorporating visual arts in other areas

Q12B	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	91	12.40	91	12.40
Never	18	2.45	109	14.85
A few times a year	170	23.16	279	38.01
Once a month	107	14.58	386	52.59
2-3 times a month	144	19.62	530	72.21
At least once a week	204	27.79	734	100.00

Incorporating drama in other areas

Q12C	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	91	12.40	91	12.40
Never	86	11.72	177	24.11
A few times a year	306	41.69	483	65.80
Once a month	107	14.58	590	80.38
2-3 times a month	97	13.22	687	93.60
At least once a week	47	6.40	734	100.00

Incorporating dance other areas

Q12D	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	91	12.40	91	12.40
Never	303	41.28	394	53.68
A few times a year	197	26.84	591	80.52
Once a month	48	6.54	639	87.06
2-3 times a month	45	6.13	684	93.19
At least once a week	50	6.81	734	100.00

Teaching thematic units

Q12E	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	91	12.40	91	12.40
Never	85	11.58	176	23.98
A few times a year	257	35.01	433	58.99
Once a month	92	12.53	525	71.53
2-3 times a month	98	13.35	623	84.88
At least once a week	111	15.12	734	100.00

Prepackaged curriculum material

Q12F	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	91	12.40	91	12.40
Never	431	58.72	522	71.12
A few times a year	122	16.62	644	87.74
Once a month	41	5.59	685	93.32
2-3 times a month	28	3.81	713	97.14
At least once a week	21	2.86	734	100.00

Teaching art using technology

Q12G	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	91	12.40	91	12.40
Never	388	52.86	479	65.26
A few times a year	193	26.29	672	91.55
Once a month	26	3.54	698	95.10
2-3 times a month	23	3.13	721	98.23
At least once a week	13	1.77	734	100.00

Teach music as separate subject

Q13AA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	91	12.40	91	12.40
Yes	36	4.90	127	17.30
No	607	82.70	734	100.00

Music based on a written curriculum guide

Q13AB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	698	95.10	698	95.10
Yes	11	1.50	709	96.59
No	17	2.32	726	98.91
Don't know	8	1.09	734	100.00

Music aligned/state/National Standards

Q13AC	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	698	95.10	698	95.10
Yes	17	2.32	715	97.41
No	4	0.54	719	97.96
Don't know	15	2.04	734	100.00

Teach visual arts as separate subject

Q13BA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	91	12.40	91	12.40
Yes	87	11.85	178	24.25
No	556	75.75	734	100.00

Visual arts based on a written curriculum

Q13BB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	647	88.15	647	88.15
Yes	34	4.63	681	92.78
No	40	5.45	721	98.23
Don't know	13	1.77	734	100.00

Visual arts aligned/state/National Standards

Q13BC	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	647	88.15	647	88.15
Yes	44	5.99	691	94.14
No	13	1.77	704	95.91
Don't know	30	4.09	734	100.00

Teach dance as separate subject

Q13CA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	91	12.40	91	12.40
Yes	21	2.86	112	15.26
No	622	84.74	734	100.00

Dance based on a written curriculum

Q13CB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	713	97.14	713	97.14
Yes	5	0.68	718	97.82
No	11	1.50	729	99.32
Don't know	5	0.68	734	100.00



Dance aligned/state/National Standards

Q13CC	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	713	97.14	713	97.14
Yes	6	0.82	719	97.96
No	6	0.82	725	98.77
Don't know	9	1.23	734	100.00

Teach drama as separate subject

Q13DA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	91	12.40	91	12.40
Yes	54	7.36	145	19.75
No	589	80.25	734	100.00

Drama based on a written curriculum

Q13DB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	680	92.64	680	92.64
Yes	15	2.04	695	94.69
No	29	3.95	724	98.64
Don't know	10	1.36	734	100.00

Drama aligned/state/National Standards

Q13DC	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	680	92.64	680	92.64
Yes	22	3.00	702	95.64
No	11	1.50	713	97.14
Don't know	21	2.86	734	100.00

Do not conduct formal assessment in the arts

Q14BOX	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	91	12.40	91	12.40
Not checked	289	39.37	380	51.77
Checked	354	48.23	734	100.00

Observation/student progress

Q14A	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	445	60.63	445	60.63
Not at all	12	1.63	457	62.26
Small extent	52	7.08	509	69.35
Moderate extent	83	11.31	592	80.65
Great extent	142	19.35	734	100.00

Selected-response assessments

Q14B	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	445	60.63	445	60.63
Not at all	146	19.89	591	80.52
Small extent	60	8.17	651	88.69
Moderate extent	40	5.45	691	94.14
Great extent	43	5.86	734	100.00

Short written answers

Q14C	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	445	60.63	445	60.63
Not at all	143	19.48	588	80.11
Small extent	54	7.36	642	87.47
Moderate extent	63	8.58	705	96.05
Great extent	29	3.95	734	100.00

Performance tasks /projects

Q14D	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	445	60.63	445	60.63
Not at all	29	3.95	474	64.58
Small extent	69	9.40	543	73.98
Moderate extent	111	15.12	654	89.10
Great extent	80	10.90	734	100.00

Portfolio collection of student work

Q14E	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	445	60.63	445	60.63
Not at all	93	12.67	538	73.30
Small extent	81	11.04	619	84.33
Moderate extent	69	9.40	688	93.73
Great extent	46	6.27	734	100.00

Developed rubrics

Q14F	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	445	60.63	445	60.63
Not at all	107	14.58	552	75.20
Small extent	70	9.54	622	84.74
Moderate extent	74	10.08	696	94.82
Great extent	38	5.18	734	100.00

Other (Specify) assessment

Q14G	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Inapplicable	445	60.63	445	60.63
Not at all	282	38.42	727	99.05
Small extent	2	0.27	729	99.32
Moderate extent	1	0.14	730	99.46
Great extent	4	0.54	734	100.00

Participate/creating/performing works of art

Q15A	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	406	55.31	406	55.31
Small extent	204	27.79	610	83.11
Moderate extent	85	11.58	695	94.69
Great extent	39	5.31	734	100.00

Participate/teaching arts

Q15B	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	641	87.33	641	87.33
Small extent	55	7.49	696	94.82
Moderate extent	28	3.81	724	98.64
Great extent	10	1.36	734	100.00

Participate/viewing works of art

Q15C	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	115	15.67	115	15.67
Small extent	319	43.46	434	59.13
Moderate extent	234	31.88	668	91.01
Great extent	66	8.99	734	100.00

Participate/studying/critiquing art

Q15D	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	632	86.10	632	86.10
Small extent	79	10.76	711	96.87
Moderate extent	18	2.45	729	99.32
Great extent	5	0.68	734	100.00

Providing art leadership

Q15E	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	682	92.92	682	92.92
Small extent	37	5.04	719	97.96
Moderate extent	14	1.91	733	99.86
Great extent	1	0.14	734	100.00

Attending workshops

Q15F	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not at all	632	86.10	632	86.10
Small extent	83	11.31	715	97.41
Moderate extent	15	2.04	730	99.46
Great extent	4	0.54	734	100.00

imputation flag for question Q2AB

I_Q2AB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	709	96.59	709	96.59
Imputed	25	3.41	734	100.00

imputation flag for question Q2BB

I_Q2BB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	723	98.50	723	98.50
Imputed	11	1.50	734	100.00



imputation flag for question Q3BB

I_Q3BB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	732	99.73	732	99.73
Imputed	2	0.27	734	100.00

imputation flag for question Q4

I_Q4	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	733	99.86	733	99.86
Imputed	1	0.14	734	100.00

imputation flag for question Q6AA

I_Q6AA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	733	99.86	733	99.86
Imputed	1	0.14	734	100.00

imputation flag for question Q6AB

I_Q6AB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	732	99.73	732	99.73
Imputed	2	0.27	734	100.00

imputation flag for question Q6BA

I_Q6BA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	732	99.73	732	99.73
Imputed	2	0.27	734	100.00

imputation flag for question Q6BB

I_Q6BB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	732	99.73	732	99.73
Imputed	2	0.27	734	100.00

imputation flag for question Q6CB

I_Q6CB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	729	99.32	729	99.32
Imputed	5	0.68	734	100.00

imputation flag for question Q6DA

I_Q6DA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	732	99.73	732	99.73
Imputed	2	0.27	734	100.00

imputation flag for question Q6DB

I_Q6DB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	731	99.59	731	99.59
Imputed	3	0.41	734	100.00

imputation flag for question Q6EA

I_Q6EA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	732	99.73	732	99.73
Imputed	2	0.27	734	100.00

imputation flag for question Q6EB

I_Q6EB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	725	98.77	725	98.77
Imputed	9	1.23	734	100.00

imputation flag for question Q6FA

I_Q6FA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	732	99.73	732	99.73
Imputed	2	0.27	734	100.00

imputation flag for question Q6FB

I_Q6FB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	727	99.05	727	99.05
Imputed	7	0.95	734	100.00

imputation flag for question Q6GA

I_Q6GA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	731	99.59	731	99.59
Imputed	3	0.41	734	100.00

imputation flag for question Q6GB

I_Q6GB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	725	98.77	725	98.77
Imputed	9	1.23	734	100.00

imputation flag for question Q9A

I_Q9A	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	733	99.86	733	99.86
Imputed	1	0.14	734	100.00

imputation flag for question Q9C

I_Q9C	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	733	99.86	733	99.86
Imputed	1	0.14	734	100.00

imputation flag for question Q9D

I_Q9D	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	731	99.59	731	99.59
Imputed	3	0.41	734	100.00

imputation flag for question Q9E

I_Q9E	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	730	99.46	730	99.46
Imputed	4	0.54	734	100.00

imputation flag for question Q9F

I_Q9F	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	729	99.32	729	99.32
Imputed	5	0.68	734	100.00

imputation flag for question Q9G

I_Q9G	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	729	99.32	729	99.32
Imputed	5	0.68	734	100.00

imputation flag for question Q9H

I_Q9H	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	729	99.32	729	99.32
Imputed	5	0.68	734	100.00

imputation flag for question Q10A

I_Q10A	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	733	99.86	733	99.86
Imputed	1	0.14	734	100.00

imputation flag for question Q10B

I_Q10B	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	733	99.86	733	99.86
Imputed	1	0.14	734	100.00

imputation flag for question Q10C

I_Q10C	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	732	99.73	732	99.73
Imputed	2	0.27	734	100.00

imputation flag for question Q12C

I_Q12C	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	733	99.86	733	99.86
Imputed	1	0.14	734	100.00

imputation flag for question Q12D

I_Q12D	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	731	99.59	731	99.59
Imputed	3	0.41	734	100.00

imputation flag for question Q12E

I_Q12E	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	729	99.32	729	99.32
Imputed	5	0.68	734	100.00

imputation flag for question Q13AA

I_Q13AA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	733	99.86	733	99.86
Imputed	1	0.14	734	100.00

imputation flag for question Q13AB

I_Q13AB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	732	99.73	732	99.73
Imputed	2	0.27	734	100.00

imputation flag for question Q13AC

I_Q13AC	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	731	99.59	731	99.59
Imputed	3	0.41	734	100.00

imputation flag for question Q13BA

I_Q13BA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	733	99.86	733	99.86
Imputed	1	0.14	734	100.00

imputation flag for question Q13BB

I_Q13BB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	729	99.32	729	99.32
Imputed	5	0.68	734	100.00

imputation flag for question Q13BC

I_Q13BC	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	724	98.64	724	98.64
Imputed	10	1.36	734	100.00

imputation flag for question Q13CA

I_Q13CA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	733	99.86	733	99.86
Imputed	1	0.14	734	100.00

imputation flag for question Q13CB

I_Q13CB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	732	99.73	732	99.73
Imputed	2	0.27	734	100.00

imputation flag for question Q13CC

I_Q13CC	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	732	99.73	732	99.73
Imputed	2	0.27	734	100.00

imputation flag for question Q13DA

I_Q13DA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	733	99.86	733	99.86
Imputed	1	0.14	734	100.00

imputation flag for question Q13DB

I_Q13DB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	730	99.46	730	99.46
Imputed	4	0.54	734	100.00

imputation flag for question Q13DC

I_Q13DC	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	726	98.91	726	98.91
Imputed	8	1.09	734	100.00

imputation flag for question Q14B

I_Q14B	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	733	99.86	733	99.86
Imputed	1	0.14	734	100.00

imputation flag for question Q14D

I_Q14D	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	733	99.86	733	99.86
Imputed	1	0.14	734	100.00

imputation flag for question Q14E

I_Q14E	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	733	99.86	733	99.86
Imputed	1	0.14	734	100.00

imputation flag for question Q14F

I_Q14F	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	733	99.86	733	99.86
Imputed	1	0.14	734	100.00

imputation flag for question Q15A

I_Q15A	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	733	99.86	733	99.86
Imputed	1	0.14	734	100.00

imputation flag for question Q15B

I_Q15B	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	733	99.86	733	99.86
Imputed	1	0.14	734	100.00

imputation flag for question Q15C

I_Q15C	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	733	99.86	733	99.86
Imputed	1	0.14	734	100.00

imputation flag for question Q15D

I_Q15D	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	733	99.86	733	99.86
Imputed	1	0.14	734	100.00

imputation flag for question Q15E

I_Q15E	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	732	99.73	732	99.73
Imputed	2	0.27	734	100.00

imputation flag for question Q15F

I_Q15F	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not imputed	732	99.73	732	99.73
Imputed	2	0.27	734	100.00

Analysis Variable : TFWT Full sample weight

Sum	Minimum	Maximum	Std Dev
953196.16	164.9843295	3443.57	438.6426810

Analysis Variable : TFWT1 Replicate weight 1

Sum	Minimum	Maximum	Std Dev
955456.00	0	3503.32	484.1003544

Analysis Variable : TFWT2 Replicate weight 2

Sum	Minimum	Maximum	Std Dev
952594.73	0	3530.12	468.7964920

Analysis Variable : TFWT3 Replicate weight 3

Sum	Minimum	Maximum	Std Dev
955421.10	0	3458.78	475.2438559

Analysis Variable : TFWT4 Replicate weight 4

Sum	Minimum	Maximum	Std Dev
953715.95	0	3492.69	481.0370041

Analysis Variable : TFWT5 Replicate weight 5

Sum	Minimum	Maximum	Std Dev
951584.08	0	3550.66	497.6508108

Analysis Variable : TFWT6 Replicate weight 6

Sum	Minimum	Maximum	Std Dev
953808.06	0	3540.32	483.5742790

Analysis Variable : TFWT7 Replicate weight 7

Sum	Minimum	Maximum	Std Dev
953677.21	0	3513.01	471.7814539

Analysis Variable : TFWT8 Replicate weight 8

Sum	Minimum	Maximum	Std Dev
955011.25	0	3447.21	484.7145057

Analysis Variable : TFWT9 Replicate weight 9

Sum	Minimum	Maximum	Std Dev
954315.26	0	3540.23	481.2940652

Analysis Variable : TFWT10 Replicate weight 10

Sum	Minimum	Maximum	Std Dev
955643.35	0	3504.69	486.7868354

Analysis Variable : TFWT11 Replicate weight 11

Sum	Minimum	Maximum	Std Dev
952373.40	0	3529.43	487.8910735

Analysis Variable : TFWT12 Replicate weight 12

Sum	Minimum	Maximum	Std Dev
951673.62	0	3644.20	499.7897153

Analysis Variable : TFWT13 Replicate weight 13

Sum	Minimum	Maximum	Std Dev
954928.01	0	3521.58	472.1449450

Analysis Variable : TFWT14 Replicate weight 14

Sum	Minimum	Maximum	Std Dev
955572.01	0	3525.88	488.0908117

Analysis Variable : TFWT15 Replicate weight 15

Sum	Minimum	Maximum	Std Dev
951317.07	0	3593.55	472.0258554

Analysis Variable : TFWT16 Replicate weight 16

Sum	Minimum	Maximum	Std Dev
951542.97	0	3354.90	475.7897874



Analysis Variable : TFWT17 Replicate weight 17

Sum	Minimum	Maximum	Std Dev
955509.79	0	3420.17	479.3098683

Analysis Variable : TFWT18 Replicate weight 18

Sum	Minimum	Maximum	Std Dev
953432.07	0	3500.01	486.7395569

Analysis Variable : TFWT19 Replicate weight 19

Sum	Minimum	Maximum	Std Dev
956926.70	0	3512.18	466.6490154

Analysis Variable : TFWT20 Replicate weight 20

Sum	Minimum	Maximum	Std Dev
954176.58	0	3488.01	480.5782568

Analysis Variable : TFWT21 Replicate weight 21

Sum	Minimum	Maximum	Std Dev
958606.07	0	3628.63	484.1581372

Analysis Variable : TFWT22 Replicate weight 22

Sum	Minimum	Maximum	Std Dev
949771.15	0	3516.68	474.7552972

Analysis Variable : TFWT23 Replicate weight 23

Sum	Minimum	Maximum	Std Dev
951421.51	0	3475.90	484.8521988

Analysis Variable : TFWT24 Replicate weight 24

Sum	Minimum	Maximum	Std Dev
952435.58	0	3492.23	483.8536509

Analysis Variable : TFWT25 Replicate weight 25

Sum	Minimum	Maximum	Std Dev
951435.28	0	3518.09	485.8558413

Analysis Variable : TFWT26 Replicate weight 26

Sum	Minimum	Maximum	Std Dev
955819.14	0	3618.37	486.9162772

Analysis Variable : TFWT27 Replicate weight 27

Sum	Minimum	Maximum	Std Dev
952441.04	0	3721.78	498.5649492

Analysis Variable : TFWT28 Replicate weight 28

Sum	Minimum	Maximum	Std Dev
951797.18	0	3262.41	489.0080368

Analysis Variable : TFWT29 Replicate weight 29

Sum	Minimum	Maximum	Std Dev
949711.11	0	3470.65	472.3116313

Analysis Variable : TFWT30 Replicate weight 30

Sum	Minimum	Maximum	Std Dev
953735.47	0	3505.91	484.2159377

Analysis Variable : TFWT31 Replicate weight 31

Sum	Minimum	Maximum	Std Dev
954643.52	0	3467.14	472.4979015

Analysis Variable : TFWT32 Replicate weight 32

Sum	Minimum	Maximum	Std Dev
950957.92	0	3503.05	483.9816366

Analysis Variable : TFWT33 Replicate weight 33

Sum	Minimum	Maximum	Std Dev
952012.96	0	3503.52	478.6547045

Analysis Variable : TFWT34 Replicate weight 34

Sum	Minimum	Maximum	Std Dev
951344.64	0	3255.97	476.3669792

Analysis Variable : TFWT35 Replicate weight 35

Sum	Minimum	Maximum	Std Dev
952645.61	0	3442.81	470.4111685

Analysis Variable : TFWT36 Replicate weight 36

Sum	Minimum	Maximum	Std Dev
949815.45	0	3531.70	484.8409348

Analysis Variable : TFWT37 Replicate weight 37

Sum	Minimum	Maximum	Std Dev
951940.13	0	3514.90	473.6779080

Analysis Variable : TFWT38 Replicate weight 38

Sum	Minimum	Maximum	Std Dev
952438.57	0	3507.24	463.6807075

Analysis Variable : TFWT39 Replicate weight 39

Sum	Minimum	Maximum	Std Dev
950990.15	0	3650.68	488.9974268

Analysis Variable : TFWT40 Replicate weight 40

Sum	Minimum	Maximum	Std Dev
954726.72	0	3550.95	480.9598189

Analysis Variable : TFWT41 Replicate weight 41

Sum	Minimum	Maximum	Std Dev
951526.33	0	3531.59	482.4106805

Analysis Variable : TFWT42 Replicate weight 42

Sum	Minimum	Maximum	Std Dev
954047.74	0	3663.92	489.0253792

Analysis Variable : TFWT43 Replicate weight 43

Sum	Minimum	Maximum	Std Dev
957572.68	0	3638.95	484.7543049

Analysis Variable : TFWT44 Replicate weight 44

Sum	Minimum	Maximum	Std Dev
949128.74	0	3500.05	477.1907371

Analysis Variable : TFWT45 Replicate weight 45

Sum	Minimum	Maximum	Std Dev
953014.64	0	3437.94	475.2666549

Analysis Variable : TFWT46 Replicate weight 46

Sum	Minimum	Maximum	Std Dev
955510.38	0	3505.69	477.2698823

Analysis Variable : TFWT47 Replicate weight 47

Sum	Minimum	Maximum	Std Dev
951508.19	0	3516.19	474.5855160

Analysis Variable : TFWT48 Replicate weight 48

Sum	Minimum	Maximum	Std Dev
955546.92	0	3419.33	478.7691471

Analysis Variable : TFWT49 Replicate weight 49

Sum	Minimum	Maximum	Std Dev
954815.43	0	3500.00	462.2365887

Analysis Variable : TFWT50 Replicate weight 50

Sum	Minimum	Maximum	Std Dev
950084.80	0	3520.97	481.7736538