

Data Review: Arts Education Access in Pennsylvania Schools

The purpose of this white paper is to provide a review of available data regarding access to arts education opportunities in PA schools. The review will, when possible, include data from school year 2016-17 and, for purposes of comparison, 2011-12.

Data Sources

Teacher Information Management System Data (TIMS)

Available Data (from year 2012 and 2017), as provided in Excel file format

District ID Number (include Charter/Cyber, CTC (Career Technical Centers), and IU (Intermediate Units), but not private schools:

District Name

Teacher Information

PPID Number

Building Name where teacher teaches

% of time assigned per building within a district

Categories of arts teaching assignment:

Art, Elementary

Art, Secondary

Music, Elementary

Music, Secondary

Dance

Drama

Staff type: Full time/part time (includes %)

Gender

Ethnicity

Birth date

Date the teacher started in the district

Years of Service/Years in the district

Status (only the "active" status list is included)

Degrees (Bachelor's, Master's, Vocational, Some college)

Data Organization Process

To effectively review the TIMS data, each individual line of teacher data required an “assignment” to classifications not inherently provided in the Excel file. These classifications include:

- a. Individual School
- b. School type: Public School, Charter/Cyber School, Career Technical Centers, and Intermediate Units
- c. Full Time Equivalency (FTE): Professional Personal ID (PPID) numbers that were found listed more than once were grouped into the highest percentage of teaching load possible, up to 100%.

Public School Enrollment Reports

Excel file reports regarding public school enrollments, found on the [PA Department of Education \(PDE\) website](#), were incorporated into the TIMS data. Pennsylvania’s Local Education Agencies with publicly funded schools report those students who were enrolled and attending as of October 1 each School Year.

[Data Review](#)

*Note: Responses provided are based on the Full Time Equivalency (FTE) model, meaning that a teacher who teaches in an arts content area for 60% of the time and another who teaches for 40% would only be counted as one teacher for 100%. Arts-certified part-time teachers and dual-certified full-time teachers who teach arts content for only part of their assignment were assigned only that percent of time for which they teach an arts content area.

**Note: The numbers of teachers reported for dance and theatre are small. PA Dance teachers are certified through Health and Physical Education or Communications certification, and Theatre teachers are certified through English Language Arts or Communications certification, so it is possible that instruction in dance and theatre is taking place but not being reported as such in TIMS reporting.

A. Public Schools:

1. In 2016-17, what was the total FTE* number of actively employed arts teachers in Pennsylvania public schools as reported through TIMS, and the total public school enrollment as reported through the PDE website?

2016-17	# of Arts Teachers			
Enrollment	Dance	Music	Theatre	Visual Art
1,578,459	13.89**	3853	43.21**	2951.9
Teacher/Pupil Ratio		1/409.67		1/534.73

2. In 2011-12, what was the total FTE* number of actively employed arts teachers in Pennsylvania public schools as reported through TIMS, and the total public school enrollment as reported through the PDE website?

2011-12	# of Arts Teachers			
Enrollment #	Dance	Music	Theatre	Visual Art
1,644,764	16.52**	3981.17	52.68**	2937.33
Teacher/Pupil Ratio		1/413.1		1/559.95

3. What are the numerical and percent changes in the total FTE* number of actively employed arts teachers in Pennsylvania public schools as reported through TIMS, and the total public school enrollment as reported through the PDE website?

	Change from 2011-12 to 2016-17	# of Arts Teachers			
		Dance	Music	Theatre	Visual Art
Numerical	-66,305	-2.63**	-127.82	-9.47**	14.6
	Enrollment %	% of Arts Teacher			
Percent	-4.03%	-15.92%**	-3.21%	-17.98%**	0.5%

B. Charter Schools

4. In 2016-17, what was the total FTE* number of actively employed arts teachers in Pennsylvania charter schools as reported through TIMS, and the charter school enrollment as reported through the PDE website?

2016-17	# of Arts Teachers			
Enrollment	Dance	Music	Theatre	Visual Art
133,753	17.9**	182	18.66**	204
Teacher/Pupil Ratio		1/734.9		1/655.65

5. In 2011-12, what was the total FTE* number of actively employed arts teachers in Pennsylvania charter schools as reported through TIMS, and the total charter school enrollment as reported through the PDE website?

2011-12	# of Arts Teachers			
Enrollment #	Dance	Music	Theatre	Visual Art
104,657	13**	134	15**	160
Teacher/Pupil Ratio		1/781.02		1/654.1

6. What are the numerical and percent changes in the total FTE* number of actively employed arts teachers in Pennsylvania charter schools as reported through TIMS, and the total charter school enrollment as reported through the PDE website?

	Change from 2011-12 to 2016-17	# of Arts Teachers			
	Enrollment #	Dance	Music	Theatre	Visual Art
Numerical	29,096	5**	48	5**	44
	Enrollment %	% of Arts Teacher			
Percent	27.8%	41.07%**	35.59%	22.76%**	27.22%

C. Career Technical Centers

7. In 2016-17, what was the total FTE* number of actively employed arts teachers in Pennsylvania CTCs as reported through TIMS, and the total CTC enrollment as reported through the PDE website?

2016-17	# of Arts Teachers			
Enrollment	Dance	Music	Theatre	Visual Art
39,512	0.00**	1	0.00**	64.8

8. In 2011-12, what was the total FTE* number of actively employed arts teachers in Pennsylvania CTCs as reported through TIMS, and the total CTC enrollment as reported through the PDE website?

2011-12	# of Arts Teachers			
Enrollment #	Dance	Music	Theatre	Visual Art
36,421	0.00**	1	1**	69

9. What are the numerical and percent changes in the total FTE* number of actively employed arts teachers in Pennsylvania CTCs as reported through TIMS, and the total CTC enrollment as reported through the PDE website?

	Change from 2011-12 to 2016-17	# of Arts Teachers			
	Enrollment #	Dance	Music	Theatre	Visual Art
Numerical	3091	0.00**	-0.5	1**	3.92
	Enrollment %	% of Arts Teacher			
Percent	8.49%	0.00%**	-50%	-0.00%**	6.05%

D. Intermediate Units

10. In 2016-17, what was the total FTE* number of actively employed arts teachers in Pennsylvania Intermediate Units as reported through TIMS, and the total Intermediate Unit enrollment as reported through the PDE website?

2016-17	# of Arts Teachers			
Enrollment	Dance	Music	Theatre	Visual Art
10,784	0**	8.4	0**	13

11. In 2011-12, what was the total FTE* number of actively employed arts teachers in Pennsylvania Intermediate Units as reported through TIMS, and the total Intermediate enrollment as reported through the PDE website?

2011-12	# of Arts Teachers			
Enrollment #	Dance	Music	Theatre	Visual Art
12,746	1**	9.8	1**	13.98

12. What are the numerical and percent changes in the total FTE* number of actively employed arts teachers in Pennsylvania Intermediate Units as reported through TIMS, and the total Intermediate Unit enrollment as reported through the PDE website?

	Change from 2011-12 to 2016-17	# of Arts Teachers			
	Enrollment #	Dance	Music	Theatre	Visual Art
Numerical	-1962	-1	-1	-1	-1
	Enrollment %	% of Arts Teacher			
Percent	-18.19%	-100%	-14.29%	-100%	-7.37%

