

2010 Educator Supply & Demand Survey

AAEE wishes to express appreciation to all survey participants and to EdZapp for its generous sponsorship of the research.

Introduction and Background

The 2009-2010 academic year has been a challenge. It began during an economic downturn. In many communities, real estate property values declined, mortgage foreclosure rates spiked and property tax revenue collections, so important to public school funding, have declined. Federal stimulus dollars did provide some relief. However, districts still face considerable financial uncertainty. In this setting, school districts are being forced into staffing cuts even while desperately hoping for new revenues.

There is still great opportunity for new education graduates. As this report shows, there are education disciplines with staffing at critical shortage levels. However, our study shows that some disciplines may have an easier time of finding positions. For example, those qualified to teach physics and other sciences to high school students are more likely to find opportunities available to them – particularly if they are willing to relocate, as compared to a history teacher for the middle school students.

This report is organized primarily to aid the education job seeker. First we lay out the main education disciplines where participating school districts say they have staffing needs. Second, for those just now entering their formal training to become educators, we outline the availability of educational training and certification programs at colleges and universities across the country. We'll then touch on the competition an education graduate will face as a prospective employee by looking at the number of graduates in each discipline, their degree levels, and take a quick look at the opportunities to replace retiring educators. Next, we'll consider how relocation might fit into the job search, and take a high-level look at ways candidates might consider applying for available positions. Finally, we looked at the factors that those in the field think have an impact on careers in education – from finance, to legislative mandates, to the teaching environment, and so forth.

About the Survey

This research continues a 34 year tradition of AAEE (the American Association for Employment in Education) providing valuable insights to the education sector. Results in this report are based on 386 colleges/universities and 115 school districts completing online surveys. For colleges/universities the 90% confidence interval is $\pm 4\%$, and for school districts it is $\pm 8\%$.

Thank you!

Now on to the results...

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Our funding is being cut 5% therefore we have to look closely at our staff numbers.

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Table 1 Supply and Demand Research
from the American Association for Employment in Education

Region Codes: 1 - Northwest 3 - Rocky Mountain 5 - South Central 7 - Great Lakes 9 - Northeast 11 - Hawaii
2 - West 4 - Great Plains/Midwest 6 - Southeast 8 - Middle Atlantic 10 - Alaska

Demand Codes: 5.00 - 4.21 - Considerable Shortage 3.40 - 2.61 - Balanced 1.80 - 1.00 - Considerable Surplus
4.20 - 3.41 - Some Shortage 2.60 - 1.81 - Some Surplus

Field/Discipline	Regions											National		
	1	2	3	4	5	6	7	8	9	10	11	2010	2009	Change
Agriculture	2.67	2.44	2.67	3.26	2.79	2.64	2.74	2.83	3.33		3.00	2.81	3.39	(0.58)
Art/Visual Education	2.11	2.17	2.63	2.63	2.75	2.36	2.18	2.21	2.47		3.00	2.37	2.40	(0.03)
Bilingual Education	4.56	4.00	4.00	3.97	4.22	3.83	4.02	3.87	4.00	4.00	3.50	3.98	3.94	0.04
Business Education	3.00	2.40	3.25	3.03	2.69	2.46	2.41	2.87	3.11	2.00	3.00	2.68	2.68	(0.01)
Computer Science Education	3.00	3.20	3.75	3.37	2.94	2.85	2.76	3.14	3.30		3.00	3.02	3.18	(0.16)
Dance Education	2.40	2.44	2.25	2.77	2.56	2.28	2.33	2.36	3.11		3.00	2.45	2.40	0.05
Elementary Pre-K	1.75	2.64	3.00	2.68	2.95	2.52	1.87	2.00	2.73	3.00	3.33	2.36	2.54	(0.18)
Elementary - Kindergarten	1.78	2.62	2.25	2.33	2.80	2.33	1.76	1.89	2.60	3.00	3.50	2.18	2.36	(0.19)
Elementary - Primary	1.80	2.43	2.50	2.10	2.67	2.31	1.62	1.77	2.56	2.00	3.50	2.08	2.20	(0.13)
Elementary - Intermediate	1.70	2.62	2.60	2.28	3.20	2.35	2.13	1.95	2.44	2.00	3.50	2.29	2.53	(0.24)
Elementary - Middle School	1.90	2.92	3.10	2.75	3.25	3.07	2.38	2.34	2.59	3.00	3.50	2.70	2.92	(0.23)
English/Language Arts	2.11	2.62	3.09	2.55	3.15	2.83	2.32	2.28	2.82	2.00	4.00	2.60	2.70	(0.10)
ESL/ELL	4.10	3.58	4.00	4.06	4.00	3.87	4.00	3.79	4.00	4.00	4.00	3.93	3.75	0.18
Family & Consumer Sciences	2.67	2.60	2.50	3.04	2.88	2.69	2.85	2.88	3.18	3.00	3.50	2.83	2.96	(0.13)
Health Education	1.86	2.75	2.00	2.36	2.67	2.54	2.41	2.17	2.87		3.00	2.45	2.33	0.12
Journalism Education	2.67	2.40	2.00	2.50	2.67	2.55	2.45	2.53	3.10		3.00	2.54	2.59	(0.05)
Languages - Chinese	3.50	2.75	2.40	3.83	3.73	3.40	3.84	3.73	4.00		4.00	3.61	3.54	0.06
Languages - Classics	3.33	2.71	3.00	3.48	3.33	3.19	3.35	3.19	3.80		3.00	3.29	3.11	0.17
Languages - French	2.44	2.50	2.80	3.11	3.40	3.05	3.06	2.89	2.75	3.00	3.50	2.98	2.91	0.07
Languages - German	2.50	2.36	2.56	3.20	3.33	3.02	3.02	3.16	2.92	3.00	3.50	3.02	2.83	0.18
Languages - Japanese	3.00	2.60	2.86	3.59	3.53	3.39	3.59	3.45	3.33	3.00	3.50	3.39	3.17	0.22
Languages - Spanish	3.60	3.31	3.55	3.50	3.94	3.57	3.58	3.40	3.15	3.00	3.50	3.52	3.62	(0.10)
Mathematics Education	4.09	4.29	4.55	4.15	4.33	4.26	3.98	3.84	4.18	5.00	4.33	4.13	4.21	(0.08)
Music - Instrumental	2.38	3.18	2.71	3.05	3.28	2.43	2.64	2.50	3.09		3.00	2.72	2.81	(0.09)
Music - Vocal	2.38	3.00	2.63	2.89	3.26	2.43	2.50	2.38	3.18		3.00	2.64	2.75	(0.10)
Music - General	2.44	3.00	2.82	2.92	3.22	2.45	2.61	2.47	3.08	3.00	3.00	2.68	2.71	(0.02)
Physical Education	1.57	2.64	2.00	1.95	2.16	2.26	1.84	1.97	2.62	2.00	3.00	2.08	2.08	(0.00)
Reading	3.00	3.56	3.60	3.38	3.47	3.25	3.34	3.54	3.90		3.50	3.39	3.20	0.19
Science - Biology	1.57	2.64	2.00	1.95	2.16	2.26	1.84	1.97	2.62	2.00	3.00	3.78	3.82	(0.04)
Science - Chemistry	3.00	3.56	3.60	3.38	3.47	3.25	3.34	3.54	3.90		3.50	4.12	4.14	(0.01)
Science - Earth/Physical	3.38	4.00	4.00	3.76	3.68	3.75	3.73	3.61	3.79	4.00	4.33	3.74	3.76	(0.02)
Science - Physics	3.90	4.00	4.40	4.31	4.38	4.17	4.26	4.35	4.36	5.00	4.67	4.26	4.18	0.08
Science - General	3.44	3.83	3.90	3.73	3.80	3.62	3.64	3.44	3.62	3.00	4.33	3.64	3.64	0.00
Social Studies Education	1.22	2.15	1.45	2.00	2.30	2.08	1.49	1.60	1.94	2.00	2.67	1.82	2.03	(0.20)
Spec. Ed. - Early Childhood Spec. Ed.	3.86	4.18	4.50	3.97	3.94	3.68	3.64	3.65	4.14	5.00	4.00	3.81	3.86	(0.05)
Spec. Ed. - Emotional/Beh. Dis.	4.00	4.27	4.43	4.16	4.00	4.07	4.09	3.74	4.09		4.50	4.06	4.14	(0.08)
Spec. Ed. - Hearing Impaired	3.57	4.11	4.50	3.96	4.07	3.85	3.95	3.93	4.22		4.50	3.96	3.93	0.03
Spec. Ed. - Learning Disability	3.86	4.09	4.29	4.03	4.00	3.92	3.85	3.77	4.10		4.50	3.94	3.95	(0.02)
Spec. Ed. - Mental Retardation	3.71	4.22	4.29	4.03	4.06	4.00	4.07	3.84	4.18		4.50	4.03	4.05	(0.02)
Spec. Ed. - Mild/Moderate Disabilities	4.13	4.25	4.29	4.16	4.06	3.98	4.00	3.70	4.20		5.00	4.03	4.06	(0.03)

Table 1 Supply and Demand Research from the American Association for Employment in Education (*continued*)

Field/Discipline	Regions											National		
	1	2	3	4	5	6	7	8	9	10	11	2010	2009	Change
Spec. Ed. - Multicategorical	4.36	3.91	4.14	4.12	3.88	4.06	4.06	3.73	4.21	5.00	4.67	4.04	4.17	(0.14)
Spec. Ed. - Severe/Profound Dis.	4.00	4.50	4.29	4.21	4.13	4.05	4.28	3.86	4.17		5.00	4.15	4.13	0.01
Spec. Ed. - Visually Impaired	3.71	4.14	4.29	4.04	4.13	3.84	3.97	3.96	4.11		4.50	3.97	3.84	0.14
Spec. Ed. - Dual Cert. (Gen./Spec.)	4.11	4.09	4.25	4.03	3.88	3.98	3.90	3.72	4.21	5.00	4.67	3.96	3.95	0.01
Speech Education	2.86	2.89	3.57	3.00	2.73	3.18	3.14	3.21	3.22		3.00	3.12	3.12	(0.00)
Technology Education	2.50	3.00	3.63	3.45	2.73	3.13	2.81	3.46	3.27	4.00	3.00	3.14	3.28	(0.14)
Theatre/Drama	2.22	2.55	2.29	2.62	2.82	2.57	2.23	2.32	2.91		3.00	2.51	2.36	0.15
Principal - Elementary	2.80	2.83	3.25	3.03	2.78	2.90	2.72	3.11	3.00	4.00	4.00	2.93	3.08	(0.15)
Principal - Middle School	3.00	2.92	3.25	3.16	2.94	3.02	2.75	3.10	3.20	4.00	4.00	3.02	3.15	(0.14)
Principal - High School	3.10	2.75	3.25	3.09	2.94	2.97	2.74	3.18	3.33	4.00	4.00	3.01	3.17	(0.16)
Superintendent	3.22	2.92	3.57	3.28	3.00	2.90	2.95	3.23	3.46	3.00	4.00	3.09	3.23	(0.14)
Audiology	2.83	4.22	3.71	3.54	3.60	3.41	3.62	3.44	4.00		3.50	3.55	3.81	(0.26)
Counseling	2.90	3.27	3.50	3.42	3.47	2.93	2.76	2.76	3.31	3.00	3.33	3.03	2.89	0.14
Gifted/Talented Education	2.67	3.11	4.00	3.50	3.25	2.95	2.90	3.12	3.30		4.00	3.12	3.02	0.10
Library Science/Media Tech.	2.67	3.00	4.00	3.21	2.93	2.76	3.11	3.27	3.20		3.00	3.04	3.14	(0.10)
Occupational Therapy	3.17	3.67	4.00	3.32	3.38	3.28	3.49	3.38	3.80		3.00	3.41	3.53	(0.12)
Physical Therapy	3.17	3.90	3.40	3.38	3.38	3.26	3.54	3.48	3.80		3.00	3.43	3.52	(0.09)
School Nursing	3.00	3.50	3.33	3.15	3.50	3.12	3.13	3.13	3.56		3.50	3.21	3.47	(0.26)
School Psychology	3.44	3.42	3.67	3.03	3.73	3.11	3.17	3.36	3.20		3.00	3.24	3.23	0.01
School Social Work	3.14	3.33	3.83	3.07	3.50	3.16	3.05	3.12	3.18		3.50	3.17	3.03	0.15
Speech Pathology	3.33	3.80	4.14	3.45	3.81	3.37	3.93	3.76	3.80	5.00	3.00	3.66	3.91	(0.25)
Composite	2.96	3.23	3.36	3.26	3.35	3.14	3.09	3.09	3.40	3.36	3.63	3.21	3.25	(0.04)
Number of colleges reporting	16	16	14	51	27	82	82	67	23	5	3	386	467	

Perceived Demand by Region Classified by Discipline

