

# **Critical Quality Educator Shortages**

**Identification of Schools and Licensure and Endorsement Areas  
Impacted by Critical Quality Educator Shortages  
for the 2011-12 school year**

Report to the Board of Public Education  
November 2011

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Montana  
**Office of Public Instruction**  
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## Background

The Quality Educator Loan Assistance Program is administered by the Board of Regents through the Office of the Commissioner of Higher Education. The program provides for the direct repayment of educational loans of eligible quality educators for up to 4 years. The total annual loan repayment assistance may not exceed \$3,000.

*Educational loans* are loans made by a federal loan program, excluding federal Parents Loans for Undergraduate Students (PLUS) loans.

A *quality educator* is defined as a full-time equivalent educator who holds a valid educator license or is a licensed professional providing services to students in a school district, an education cooperative, the Montana School for the Deaf and Blind, the Montana Youth Challenge Program or a state youth correctional facility.<sup>1</sup>

In FY 2010, 163 teachers received quality educator loan repayment assistance totaling \$471,753. In FY 2011, 141 teachers received assistance totaling \$417,000.

## Critical Quality Educator Shortages

Section 20-4-503, MCA directs the Board of Public Education, in consultation with the Office of Public Instruction, to identify:

- (a) specific schools that are impacted by critical quality educator shortages; and
- (b) within the schools identified in (a), the specific quality educator licensure or endorsement areas that are impacted by critical quality educator shortages.

Quality educators working in schools that are identified as impacted schools and teaching in licensure or endorsement areas that are impacted by critical quality educator shortages are eligible for loan repayment assistance.

The Board of Public Education is required to publish an annual report listing the schools and the licensure or endorsement areas identified as impacted by critical quality educator shortages, explaining the reasons that specific schools and licensure or endorsement areas have been identified, and providing information regarding any success in retention.

## Methodology for Identifying Critical Quality Educator Shortages

The methodology used by the OPI for identifying critical quality educator shortages includes a two-step process. The first step is to identify the schools that are impacted by critical shortages. The second step is to identify specific licensure and endorsement areas.

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<sup>1</sup> The complete definition of a Quality Educator is in 20-4-501(4), MCA.

### ***Identification of Impacted Schools***

The OPI has developed a rubric for scoring the needs of schools based on three factors: rural isolation, economic disadvantage, and low student achievement. These three factors are weighted to set a threshold for identifying "impacted schools."

To measure rural isolation, economic disadvantage, and low student achievement, the OPI developed a 24 point rubric based on locale code, the percentage of students eligible for free and reduced price meals, and the improvement status of schools under No Child Left Behind. Schools are listed as impacted schools if they are more rural, have a higher percentage of economically disadvantaged students, and/or have greater challenges in closing the achievement gap.

Locale codes are used by the National Center for Education Statistics and the US Census Bureau to indicate the urban-rural nature of a school based upon population density and geographic location. The codes range from 11 to 43 based on population density and proximity to an urbanized area. (Appendix A provides an explanation of locale codes.) For this report, a school was assigned 4 "rural isolation" points if it has a locale code of 42-Rural, Distant and 8 points if it has a locale code of 43-Rural, Remote. All other Montana schools have a locale code indicating that the school is located in a small city, suburb, town or rural fringe; these schools were assigned zero points for rural isolation.<sup>2</sup>

The indicator of economic disadvantage that was chosen for this report is the number of Free/Reduced Price Participants as a percentage of total school enrollment. While this indicator has its flaws in that actual participation may fall short of eligibility, especially in the high schools grades, the OPI considers it to be the best and most current indicator of economic disadvantage among the school population. Schools were given a score of 0 to 8 "economic disadvantage" points depending on the percentage of students participating in free/reduced price meals.

The indicator of student achievement that was chosen for this report is the improvement status of schools under No Child Left Behind. Schools were given a score of 0 to 8 "improvement status" points depending on whether the school was identified as in need of improvement for 2010-11. If a school was not identified as in need of improvement, it is assigned zero improvement status points. If the school was identified as in need of improvement, the improvement status points increase from 1 point for a school in its first year of being identified for improvement to 8 points for a school in restructuring for four or more years.

Table 1 shows the rubric that was used to assign points to each school based on indicators of rural isolation, economic disadvantage, and improvement status.

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<sup>2</sup> For 2010-11, there are 19 schools for which OPI assigned the locale code. Fourteen of these schools were opened or re-opened recently and do not have a current locale code. The remaining 5 schools use a mailing address in a larger community. Given that locale codes are assigned by the US Department of Education based on zip code, these districts are more isolated than is indicated by the zip code. OPI assigned the most rural locale codes to these schools for the purpose of this analysis.

Table 1. Scoring Rubric for Determining Impacted Schools

<b>Scoring Rubric</b>	<b>Score</b>
<b>Rural Isolation</b>	
Locale Code 13 - Small City	0
Locale Code 22 - Suburb, Mid-Size	0
Locale Code 23 - Suburb, Small	0
Locale Code 31 - Town, Fringe	0
Locale Code 33 - Town, Remote	0
Locale Code 41 - Rural, Fringe	0
Locale Code 42 - Rural, Distant	4
Locale Code 43 - Rural, Remote	8
<b>Economic Disadvantage</b>	
Free/Reduced % >=10%	1
Free/Reduced % >=20%	2
Free/Reduced % >=30%	3
Free/Reduced % >=40%	4
Free/Reduced % >=50%	5
Free/Reduced % >=60%	6
Free/Reduced % >=70%	7
Free/Reduced % >=80%	8
<b>Improvement Status</b>	
School Improvement Year 1	1
School Improvement Year 2	2
School Improvement Year 3 or more	3
Corrective Year 1	4
Restructuring Year 1	5
Restructuring Year 2	6
Restructuring Year 3	7
Restructuring Year 4 or more	8

Any school that has a total score of 8 points or more is listed as an impacted school. There are 576 schools on this list, of which 285 are elementary schools, 155 are middle schools or grade 7/8 schools, and 136 are high schools.

The Montana School for the Deaf and Blind, the Department of Corrections schools (Pine Hills and Riverside), the Montana Youth Challenge Program, and the state's 21 special education cooperatives were automatically added to the list of impacted schools. These entities are likely to employ a significant number of special education teachers (a category that is included in the specific quality educator endorsement areas).

**Identification of specific quality educator licensure or endorsement areas**

Each fall, schools report to the Office of Public Instruction regarding the challenges facing schools in filling vacancies for teachers, specialists, administrators and licensed professionals. These data are submitted on the District Personnel Recruitment report. The OPI relied primarily on information submitted by schools through this report to determine the critical shortage areas for licensure and endorsement. Additional

information regarding emergency authorizations, positions filled by improperly assigned or unlicensed educators, and completers of professional educator preparation programs was also used to inform the process.

The OPI looked at three available sources of information related to licensure and endorsement shortage areas:

- District Personnel Recruitment Report

This report is completed annually by school districts as part of the Annual Data Collection submitted to the Office of Public Instruction. In this report, school administrators provide an indication of the difficulty they experience in hiring regular education teachers, special education teachers, school administrators, specialists, paraprofessionals, and other support staff. The statewide summary of the District Personnel Recruitment report for 2010-11 is shown in Appendix B.

- Emergency Authorizations

This report is compiled by the OPI Educator Licensure unit. It lists the number of emergency authorizations approved during the 2010-11 school year by endorsement area. In accordance with 20-4-111, MCA, a school district may apply to the Superintendent of Public Instruction for an emergency authorization of employment to hire a non-licensed individual as an instructor when the district is unable to find a licensed educator to fill the position. A statewide history of emergency authorizations granted by the state superintendent from 2005-06 through 2010-11 is included in Appendix C.

- Misassignments Reported by Accredited Schools

"Misassignment" refers to a teacher or administrator who is not assigned at the levels and/or in the subjects for which their license(s) is/are endorsed. The source of personnel assignment data is the Annual Data Collection submitted by school districts and special education cooperatives to the Office of Public Instruction.

The OPI used a weighted score for evaluating the data from the District Personnel Recruitment Report, which involved ranking hiring difficulty based on the degree of difficulty and the number of position vacancies. The degree of hiring difficulty was computed by adding the percentage of positions that were difficult to fill with those that districts were unable to fill. This combined percentage was then multiplied by the number of position openings. For example, school districts reported that of the 46 FTE vacancies for Music teachers statewide, 41% of the positions were difficult or very hard to fill. This resulted in a score of 19 points for Music openings.

Some education fields are relatively easy to fill, but because of the large number of openings, the education field receives a high score using the method described above. The most obvious example of this is elementary education. With 287 FTE reported openings in 2010-11 and 7% of the positions reported as difficult or very hard to fill, the elementary education field receives a weighting of 21.

To prevent an education field from being placed on the critical shortage list based on volume or difficulty alone, two additional criteria were added. For an education field to be included on the list of academic areas impacted by critical quality educator shortages, the education field must meet two conditions:

- At least 14 FTE openings were reported statewide;
- At least 30% of the positions were reported as difficult or very hard to fill.

Based upon the above criteria, the critical quality educator shortage areas for 2010-11 were Special Education, Career and Technical Education, Mathematics, Music, Science, Speech-Language Pathologist, School Counselor, and World Languages.

In 2010-11, Montana school districts reported 952 vacancies for all education fields and reported a total of 326 vacancies in these eight areas.

**Table 2. Education Fields Impacted by Critical Quality Educator Shortages in 2010-11**

Rank	Education Field	Total Vacancies <sup>3</sup>	Percent Difficult or Very Hard to Fill	Weighted Score	Total FTE Employed <sup>4</sup>
1	Special Education	82	50%	41	914
2	Career and Technical Education	40	67%	27	510
3	Mathematics	51	47%	24	648
4	Music	46	41%	19	357
5	Science	50	30%	15	481
6	Speech-Language Pathologist	14	93%	13	239
7	School Counselor	27	43%	12	461
8	World Languages	16	43%	7	167

The education fields impacted by critical quality educator shortages have not varied much in the past five years. An analysis of the responses to the District Personnel Recruitment report over the past five years shows all eight fields as critical shortage areas in prior years. One area that dropped off the list from 2009-10 to 2010-11 is Art. Speech/Language Pathologist, which was dropped off the list in 2009-10, is added back to the listing in 2010-11.

The District Personnel Recruitment report aligns with the K-12 educator licensure areas and the subject areas that districts are likely to post in their job openings. It should be noted that the responses from districts are subjective and may not always be complete.

<sup>3</sup> Total vacancies as reported by public school districts, state-funded schools, and special education cooperatives on the District Personnel Recruitment Report for the 2010-11 Annual Data Collection

<sup>4</sup> Total FTE Employed as reported by public school districts, state-funded schools and special education cooperatives on the Personnel Assignment report for the 2010-11 Annual Data Collection

## **Validation of Measures based upon Independent Data Sources**

Section 20-4-111, MCA authorizes the Superintendent of Public Instruction to grant an emergency authorization of employment to an individual who does not hold a valid educator license when a district cannot secure the services of a person holding a valid license. The individual must have previously held a valid educator license or must meet the standards of preparation prescribed by the policies of the Board of Public Education for and during an emergency. Emergency authorizations are only valid for one school fiscal year. The data on emergency authorizations issued since July 1, 2004 validates the critical quality educator shortage areas that are listed in this report. Of the 69 emergency authorizations issued for school fiscal years 2005 through 2011, 61 (88%) were to individuals who taught in one of the eight critical shortage areas listed above.

The personnel assignment information reported by school districts for 2010-11 through the Annual Data Collection (ADC) also validates the selection of these eight education fields. Of the 69.25 FTE positions that were filled by individuals who did not hold a valid educator license or were misassigned in 2010-11, 38.75 (56%) of these FTE were teaching in one of the eight education fields listed in this report. These data do not include special education cooperatives, which also experience difficulty hiring educators in the eight identified education fields.

## **List of Impacted Schools**

# Schools and Special Education Cooperatives Impacted by Critical Quality Educator Shortages 2010-11

County Name	LE	SC	School Name	Grade Type	Rural Isolation Score	Economic Disadvantage Score	Improvement Score	Total Score
Beaverhead	0003	0004	Grant School	EL	8	6	0	14
Beaverhead	0007	0009	Wise River School	EL	8	0	0	8
Beaverhead	0009	0010	Lima High School	HS	8	6	0	14
Beaverhead	0009	0011	Lima School	EL	8	7	0	15
Beaverhead	0009	1667	Lima 7-8	GR78	8	7	0	15
Beaverhead	0012	0015	Polaris School	EL	8	0	0	8
Beaverhead	0014	0017	Jackson School	EL	8	0	0	8
Beaverhead	0015	0018	Reichle School	EL	8	0	0	8
Beaverhead	MYC	0000	Montana Youth Challenge					11
Big Horn	0020	0026	Spring Creek School	EL	8	0	0	8
Big Horn	0021	0027	Pryor Elem School	EL	4	8	6	18
Big Horn	0021	1668	Pryor 7-8	GR78	4	8	8	20
Big Horn	1214	1553	Plenty Coups High School	HS	4	8	8	20
Big Horn	0023	0031	Hardin Primary	EL	0	7	7	14
Big Horn	0023	0032	Hardin Intermediate	EL	0	7	7	14
Big Horn	0023	0033	Crow Agency School	EL	4	8	8	20
Big Horn	0023	0036	Hardin Middle School	MS	0	7	8	15
Big Horn	0023	1315	Fort Smith School	EL	8	6	0	14
Big Horn	1189	0037	Hardin High School	HS	0	5	8	13
Big Horn	0025	0039	Lodge Grass School	EL	8	8	8	24
Big Horn	0025	1669	Lodge Grass 7-8	GR78	8	8	8	24
Big Horn	1190	0040	Lodge Grass High School	HS	8	8	8	24
Big Horn	0026	0041	Wyola School	EL	8	8	8	24
Big Horn	0026	1583	Wyola 7-8	GR78	8	8	2	18
Blaine	0028	0046	Meadowlark School	EL	8	3	1	12
Blaine	0028	1798	Chinook 7-8	GR78	8	3	0	11
Blaine	0028	1828	Hartland Elementary School	EL	8	8	0	16
Blaine	0029	0047	Chinook High School	HS	8	2	0	10
Blaine	0030	0048	Harlem Elementary School	EL	8	7	4	19
Blaine	0030	1643	Harlem 7-8	GR78	8	8	6	22
Blaine	0031	0049	Harlem High School	HS	8	7	4	19

## Schools and Special Education Cooperatives Impacted by Critical Quality Educator Shortages 2010-11

County Name	LE	SC	School Name	Grade Type	Rural Isolation Score	Economic Disadvantage Score	Improvement Score	Total Score
Blaine	0032	1401	Cleveland School	EL	8	0	0	8
Blaine	0034	0056	Zurich School	EL	8	5	0	13
Blaine	0044	0069	Turner School	EL	8	6	0	14
Blaine	0044	1670	Turner 7-8	GR78	8	7	0	15
Blaine	0045	0070	Turner High School	HS	8	8	0	16
Blaine	1213	0072	Lodge Pole School	EL	8	8	6	22
Blaine	1213	1551	Hays-Lodge Pole High Sch	HS	8	8	8	24
Blaine	1213	1659	Hays-Lodge Pole 7-8	GR78	8	8	8	24
Blaine	0048	0074	Bear Paw School	EL	8	0	0	8
Blaine	1216	1565	North Harlem Elementary	EL	8	0	0	8
Blaine	9689		Bear Paw Cooperative					11
Broadwater	0055	0076	Cecelia Hazelton School	EL	8	4	0	12
Broadwater	0055	0081	Broadwater High School	HS	8	4	0	12
Broadwater	0055	1671	Townsend 7-8	GR78	8	5	0	13
Carbon	0056	1542	Mountain View School	EL	8	3	0	11
Carbon	0056	1637	Roosevelt Junior High	MS	8	2	0	10
Carbon	0057	0084	Red Lodge High School	HS	8	1	0	9
Carbon	0059	0085	Bridger Elementary School	EL	8	5	0	13
Carbon	0059	0086	Bridger High School	HS	8	3	0	11
Carbon	0059	1672	Bridger 7-8	GR78	8	7	0	15
Carbon	0060	0087	Joliet School	EL	8	3	0	11
Carbon	0060	1635	Joliet 7-8	GR78	8	3	0	11
Carbon	0061	0088	Joliet High School	HS	8	1	0	9
Carbon	0069	0095	Roberts School	EL	8	3	0	11
Carbon	0069	0096	Roberts High School	HS	8	2	0	10
Carbon	0069	1673	Roberts 7-8	GR78	8	3	0	11
Carbon	0072	0098	Fromberg School	EL	8	5	0	13
Carbon	0072	0099	Fromberg High School	HS	8	3	0	11
Carbon	0072	1674	Fromberg 7-8	GR78	8	3	0	11
Carbon	0076	0102	Belfry School	EL	8	5	0	13
Carbon	0076	0103	Belfry High School	HS	8	6	0	14

# Schools and Special Education Cooperatives Impacted by Critical Quality Educator Shortages 2010-11

County Name	LE	SC	School Name	Grade Type	Rural Isolation Score	Economic Disadvantage Score	Improvement Score	Total Score
Carbon	0076	1675	Belfry 7-8	GR78	8	5 0		13
Carbon	1231	0091	Luther School	EL	8	1 0		9
Carter	0078	0105	Hammond School	EL	8	0 0		8
Carter	0078	0131	Hawks Home School	EL	8	0 0		8
Carter	0096	0132	Alzada School	EL	8	0 1		9
Carter	0087	0118	Ekalaka Elementary School	EL	8	5 0		13
Carter	0087	1676	Ekalaka 7-8	GR78	8	5 0		13
Carter	0097	0133	Carter County High School	HS	8	3 0		11
Cascade	0098	0143	Longfellow School	EL	0	8 4		12
Cascade	0098	0154	Whittier School	EL	0	8 2		10
Cascade	0098	1633	East Middle School	MS	0	5 6		11
Cascade	0099	0134	Great Falls High School	HS	0	3 6		9
Cascade	0101	0158	Cascade School	EL	8	4 0		12
Cascade	0101	1661	Cascade 7-8	GR78	8	5 0		13
Cascade	0102	0157	Cascade High School	HS	8	3 0		11
Cascade	0104	0160	Centerville School	EL	4	5 0		9
Cascade	0112	0168	Belt School	EL	4	5 0		9
Cascade	0127	0183	Vaughn School	EL	4	7 0		11
Cascade	0127	1679	Vaughn 7-8	GR78	4	7 0		11
Cascade	0131	0188	Ulm School	EL	4	4 0		8
Cascade	0131	1655	Fairhaven Colony	EL	4	8 0		12
Cascade	0131	1680	Ulm 7-8	GR78	4	4 0		8
Cascade	0118	0174	Simms High School	HS	8	6 0		14
Cascade	1225	0173	Fort Shaw Elem School	EL	8	3 0		11
Cascade	1225	1538	Sun River Middle School	MS	4	6 0		10
Cascade	1225	1657	Cascade Colony School	EL	8	0 0		8
Cascade	9699		North Ctrl Learn Res Ctr					11
Cascade	9258	9368	MT Sch For Deaf & Blind EI	EL	0	6		11
Cascade	9258	9371	MT Sch For Deaf & Blind HS	HS	0	8		11
Chouteau	0133	0190	Fort Benton School	EL	8	5 0		13
Chouteau	0133	0191	Fort Benton 7-8	GR78	8	4 0		12

## Schools and Special Education Cooperatives Impacted by Critical Quality Educator Shortages 2010-11

County Name	LE	SC	School Name	Grade Type	Rural Isolation Score	Economic Disadvantage Score	Improvement Score	Total Score
Chouteau	0134	0192	Fort Benton High School	HS	8	2 0		10
Chouteau	0137	0197	F E Miley School	EL	8	6 0		14
Chouteau	0137	1607	Big Sandy 7-8	GR78	8	4 0		12
Chouteau	0138	0195	Big Sandy High School	HS	8	4 0		12
Chouteau	0145	0204	Highwood School	EL	8	1 0		9
Chouteau	0145	1681	Highwood Middle School	MS	8	4 0		12
Chouteau	0146	0205	Highwood High School	HS	8	3 0		11
Chouteau	0153	0213	Geraldine School	EL	8	7 0		15
Chouteau	0153	1682	Geraldine 7-8	GR78	8	8 0		16
Chouteau	0154	0214	Geraldine High School	HS	8	5 0		13
Chouteau	0161	0223	Knees School	EL	8	0 0		8
Chouteau	0171	0233	Benton Lake School	EL	8	0 0		8
Chouteau	9871		Chouteau Co Joint Service					11
Custer	0172	0234	Garfield School	EL	0	7 1		8
Custer	0177	0246	Riverview School	EL	8	0 0		8
Custer	0179	0248	Spring Creek School	EL	8	0 0		8
Custer	0182	0253	Knowlton School	EL	8	0 0		8
Custer	0187	0259	Kinsey School	EL	8	2 0		10
Custer	9692		Big Country Coop					11
Daniels	0194	0267	Scobey School	EL	8	3 0		11
Daniels	0194	0268	Scobey High School	HS	8	3 0		11
Daniels	0194	1650	Scobey 7-8	GR78	8	2 0		10
Dawson	0215	0294	Bloomfield School	EL	8	0 0		8
Dawson	0216	0295	Lindsay School	EL	8	0 0		8
Dawson	0227	0310	Richey School	EL	8	4 0		12
Dawson	0227	1686	Richey 7-8	GR78	8	6 0		14
Dawson	0228	0311	Richey High School	HS	8	3 0		11
Deer Lodge	0237	0326	Anaconda High School	HS	0	3 5		8
Fallon	0244	0332	Baker 7-8	GR78	8	2 0		10
Fallon	0244	0333	Lincoln School	EL	8	1 0		9
Fallon	0244	0335	Baker High School	HS	8	0 0		8

## Schools and Special Education Cooperatives Impacted by Critical Quality Educator Shortages 2010-11

County Name	LE	SC	School Name	Grade Type	Rural Isolation Score	Economic Disadvantage Score	Improvement Score	Total Score
Fallon	0244	1466	Longfellow School	EL	8	2 0		10
Fallon	0256	0351	Plevna School	EL	8	3 0		11
Fallon	0256	0352	Plevna High School	HS	8	2 0		10
Fallon	0256	1687	Plevna 7-8	GR78	8	3 0		11
Fergus	0264	0363	Deerfield School	EL	4	8 0		12
Fergus	0268	0367	Grass Range School	EL	8	6 0		14
Fergus	0268	1795	Grass Range 7-8	GR78	8	7 0		15
Fergus	0269	0368	Grass Range High School	HS	8	8 0		16
Fergus	0272	0371	King Colony School	EL	0	8 0		8
Fergus	0273	0372	Moore School	EL	8	4 0		12
Fergus	0273	1688	Moore 7-8	GR78	8	6 0		14
Fergus	0274	0373	Moore High School	HS	8	4 0		12
Fergus	0280	0378	Roy School	EL	8	4 0		12
Fergus	0280	0379	Roy High School	HS	8	4 0		12
Fergus	0280	1689	Roy 7-8	GR78	8	6 0		14
Fergus	0281	0380	Denton School	EL	8	3 0		11
Fergus	0281	1690	Denton 7-8	GR78	8	2 0		10
Fergus	0282	0381	Denton High School	HS	8	3 0		11
Fergus	0288	0389	Spring Creek Colony Schl	EL	0	8 0		8
Fergus	0291	0391	Winifred School	EL	8	6 0		14
Fergus	0291	0392	Winifred High School	HS	8	3 0		11
Fergus	0291	1691	Winifred 7-8	GR78	8	4 0		12
Fergus	1218	1580	Ayers School	EL	8	8 0		16
Fergus	9691		Central Mt Learn Res Ctr					11
Flathead	0309	0411	Swan River School	EL	8	4 0		12
Flathead	0309	1694	Swan River 7-8	GR78	8	5 0		13
Flathead	0323	0435	Kila School	EL	4	6 2		12
Flathead	0323	1818	Kila 7-8	GR78	4	6 0		10
Flathead	0324	0436	Smith Valley Primary Schl	EL	4	5 0		9
Flathead	0324	0444	Smith Valley 7-8	GR78	4	6 0		10
Flathead	0325	0437	Pleasant Valley School	EL	8	0 0		8

# Schools and Special Education Cooperatives Impacted by Critical Quality Educator Shortages 2010-11

County Name	LE	SC	School Name	Grade Type	Rural Isolation Score	Economic Disadvantage Score	Improvement Score	Total Score
Flathead	0327	0439	Lakeside Elementary School	EL	4	4 0		8
Flathead	0327	1799	Somers Middle School	MS	4	4 0		8
Flathead	0330	0442	Bigfork Elementary	EL	8	4 0		12
Flathead	0330	1660	Bigfork 7-8	GR78	8	4 0		12
Flathead	0331	0443	Bigfork High School	HS	8	3 2		13
Flathead	0341	0455	Marion School	EL	8	6 0		14
Flathead	0341	1697	Marion 7-8	GR78	8	6 0		14
Flathead	0342	0457	Bissell School	EL	4	7 0		11
Flathead	0342	1698	Bissell 7-8	GR78	4	7 0		11
Flathead	1223	1651	West Glacier School	EL	8	4 0		12
Flathead	9695		Flathead Co Coop					11
Gallatin	0354	0476	Willow Creek School	EL	8	6 0		14
Gallatin	0354	1700	Willow Creek 7-8	GR78	8	4 0		12
Gallatin	0355	0477	Willow Creek High School	HS	8	2 0		10
Gallatin	0360	0482	Three Forks Elem School	EL	8	4 0		12
Gallatin	0360	1658	Three Forks 7-8	MS	8	3 1		12
Gallatin	0361	0483	Three Forks High School	HS	8	2 0		10
Gallatin	0362	0484	Pass Creek School	EL	8	0 0		8
Gallatin	0364	0486	Gallatin Gateway School	EL	4	4 0		8
Gallatin	0374	0495	West Yellowstone School	EL	8	4 0		12
Gallatin	0374	0496	West Yellowstone HS	HS	8	4 0		12
Gallatin	0374	1704	West Yellowstone 7-8	GR78	8	3 0		11
Gallatin	1239	0497	Ophir Elementary School	EL	8	0 0		8
Gallatin	1239	1817	Ophir 7-8	GR78	8	1 0		9
Gallatin	1239	1837	Lone Peak High School	HS	8	1 0		9
Gallatin	0376	0498	Amsterdam School	EL	4	4 0		8
Gallatin	9696		Gallatin/Madison Coop					11
Garfield	0377	0500	Jordan Elementary School	EL	8	3 0		11
Garfield	0377	1705	Jordan 7-8	GR78	8	3 0		11
Garfield	0378	0534	Garfield Co Dist HS	HS	8	3 0		11
Garfield	0385	0516	Pine Grove School	EL	8	0 0		8

## Schools and Special Education Cooperatives Impacted by Critical Quality Educator Shortages 2010-11

County Name	LE	SC	School Name	Grade Type	Rural Isolation Score	Economic Disadvantage Score	Improvement Score	Total Score
Garfield	0386	0518	Kester School	EL	8	0 0		8
Garfield	0387	0520	Cohagen School	EL	8	0 0		8
Garfield	0392	0527	Sand Springs School	EL	8	0 0		8
Garfield	0394	0531	Ross School	EL	8	8 0		16
Glacier	0400	0537	Babb School	EL	8	8 1		17
Glacier	0400	0538	K W Bergan School	EL	0	8 8		16
Glacier	0400	0539	Napi School	EL	4	8 8		20
Glacier	0400	1485	Vina Chattin School	EL	4	8 8		20
Glacier	0400	1613	Browning Middle School	MS	4	8 8		20
Glacier	0400	1840	Browning Elementary	EL	4	8 1		13
Glacier	0401	0543	Browning High School	HS	0	7 8		15
Glacier	0402	0545	Cut Bank Elementary	EL	0	5 4		9
Glacier	0402	1810	Glacier Elementary School	EL	0	8 0		8
Glacier	0404	0548	East Glacier Park School	EL	8	7 1		16
Golden Valley	0407	0550	Ryegate School	EL	8	8 0		16
Golden Valley	0407	0551	Ryegate High School	HS	8	4 0		12
Golden Valley	0407	1706	Ryegate 7-8	MS	8	3 0		11
Golden Valley	0411	0555	Lavina School	EL	8	6 0		14
Golden Valley	0411	0556	Lavina High School	HS	8	6 0		14
Golden Valley	0411	1707	Lavina 7-8	GR78	8	6 0		14
Granite	0416	0560	Philipsburg School	EL	8	4 0		12
Granite	0416	0565	Granite High School	HS	8	5 0		13
Granite	0416	1708	Philipsburg 7-8	GR78	8	4 0		12
Granite	0418	0562	Hall School	EL	8	0 0		8
Granite	0419	0563	Drummond School	EL	8	5 0		13
Granite	0419	1709	Drummond 7-8	GR78	8	5 0		13
Granite	0420	0564	Drummond High School	HS	8	3 0		11
Hill	0424	0569	Davey Elementary	EL	4	6 0		10
Hill	0425	0570	Box Elder School	EL	8	7 5		20
Hill	0425	1710	Box Elder 7-8	GR78	8	7 0		15
Hill	0426	0571	Box Elder High School	HS	8	8 2		18

## Schools and Special Education Cooperatives Impacted by Critical Quality Educator Shortages 2010-11

County Name	LE	SC	School Name	Grade Type	Rural Isolation Score	Economic Disadvantage Score	Improvement Score	Total Score
Hill	0427	0572	Sunnyside School	EL	0	5	5	10
Hill	0427	0574	Highland Park School	EL	0	5	4	9
Hill	0427	0577	Lincoln-McKinley School	EL	0	5	4	9
Hill	0427	1451	Havre Middle School	MS	0	4	5	9
Hill	0445	1475	Cottonwood School	EL	8	0	0	8
Hill	1207	0579	Rocky Boy School	EL	8	8	8	24
Hill	1207	1711	Rocky Boy 7-8	GR78	8	8	8	24
Hill	1229	1807	Rocky Boy High School	HS	8	8	8	24
Hill	1217	1578	Gildford Colony School	EL	8	8	1	17
Hill	1233	0588	North Star 7-8	GR78	8	5	0	13
Hill	1233	1536	North Star School	EL	8	4	0	12
Hill	1234	0591	North Star High School	HS	8	4	0	12
Jefferson	0453	0607	Whitehall Elementary	EL	8	5	2	15
Jefferson	0453	1570	Whitehall 7-8	GR78	8	4	0	12
Jefferson	0454	0608	Whitehall High School	HS	8	3	0	11
Jefferson	0455	0609	Basin School	EL	8	0	0	8
Jefferson	0456	0610	Boulder Elementary School	EL	8	6	0	14
Jefferson	0456	1714	Boulder 7-8	GR78	8	5	0	13
Jefferson	0458	0612	Cardwell School	EL	8	0	0	8
Jefferson	0457	0611	Jefferson High School	HS	8	1	4	13
Judith Basin	0464	0617	Stanford School	EL	8	4	0	12
Judith Basin	0464	0618	Stanford High School	HS	8	3	0	11
Judith Basin	0464	1716	Stanford 7-8	GR78	8	3	0	11
Judith Basin	0469	0622	Hobson School	EL	8	4	0	12
Judith Basin	0469	0623	Hobson High School	HS	8	4	0	12
Judith Basin	0469	1717	Hobson 7-8	GR78	8	4	0	12
Judith Basin	0472	0626	Geyser School	EL	8	5	0	13
Judith Basin	0472	1617	Surprise Creek School	EL	8	8	0	16
Judith Basin	0472	1718	Geyser 7-8	GR78	8	6	0	14
Judith Basin	0473	0627	Geyser High School	HS	8	6	0	14
Lake	0474	0628	Arlee Elementary	EL	4	7	4	15

# Schools and Special Education Cooperatives Impacted by Critical Quality Educator Shortages 2010-11

County Name	LE	SC	School Name	Grade Type	Rural Isolation Score	Economic Disadvantage Score	Improvement Score	Total Score
Lake	0474	1640	Arlee 7-8	GR78	4	6	2	12
Lake	0475	0629	Arlee High School	HS	4	6	1	11
Lake	0477	0632	Cherry Valley School	EL	0	6	4	10
Lake	0477	1495	Linderman School	EL	0	5	4	9
Lake	0478	0633	Polson High School	HS	0	4	6	10
Lake	0481	0642	St Ignatius Elementary School	EL	8	8	1	17
Lake	0481	0643	St Ignatius High School	HS	8	6	0	14
Lake	0481	1719	St Ignatius Middle School	MS	8	7	2	17
Lake	0486	0649	Salmon Prairie School	EL	8	0	0	8
Lake	1199	0638	Pablo Elementary	EL	4	8	2	14
Lake	1199	0639	K William Harvey Elem	EL	8	7	4	19
Lake	1199	1519	Ronan Middle School	MS	8	6	2	16
Lake	1200	0640	Ronan High School	HS	8	5	4	17
Lake	1205	0635	Charlo Elementary	EL	8	5	0	13
Lake	1205	1602	Charlo 7-8	GR78	8	4	0	12
Lake	1206	0636	Charlo High School	HS	8	4	0	12
Lake	1211	0646	Dayton School	EL	8	0	0	8
Lewis & Clark	0487	0657	Bryant School	EL	0	8	2	10
Lewis & Clark	0487	0663	Warren School	EL	8	5	0	13
Lewis & Clark	0487	1614	Helena Middle School	MS	0	4	6	10
Lewis & Clark	0488	0661	Helena High School	HS	0	2	6	8
Lewis & Clark	0491	0664	Trinity School	EL	8	0	0	8
Lewis & Clark	0495	0668	Wolf Creek School	EL	8	8	0	16
Lewis & Clark	1221	0675	Lincoln Elementary School	EL	8	6	0	14
Lewis & Clark	1221	1610	Lincoln High School	HS	8	5	0	13
Lewis & Clark	1221	1721	Lincoln 7-8	GR78	8	7	0	15
Lewis & Clark	0502	0676	Augusta Elementary School	EL	8	7	0	15
Lewis & Clark	0502	1722	Augusta 7-8	GR78	8	8	0	16
Lewis & Clark	0502	1843	Elk Creek Attendance Center	EL	8			8
Lewis & Clark	0503	0677	Augusta High School	HS	8	5	0	13
Lewis & Clark	9697		Prickly Pear Coop					11

## Schools and Special Education Cooperatives Impacted by Critical Quality Educator Shortages 2010-11

County Name	LE	SC	School Name	Grade Type	Rural Isolation Score	Economic Disadvantage Score	Improvement Score	Total Score
Lewis & Clark	9034	9415	Pine Hills Youth Corr Facil HS	HS	0	8		11
Lewis & Clark	9034	9935	Pine Hills Youth Corr Facil EI	EL	0	8		11
Lewis & Clark	9034	9973	Riverside Youth Corr Facil EI	EL	8			11
Lewis & Clark	9034	9974	Riverside Youth Corr Facil HS	HS	8	8		16
Liberty	0506	0680	Whitlash School	EL	8	0 0		8
Liberty	1224	1648	Liberty Elementary School	EL	8	0 0		8
Liberty	1236	0684	Chester-Joplin-Inverness Schl	EL	8	3 0		11
Liberty	1236	1723	Chester-Joplin-Inverness 7-8	GR78	8	4 0		12
Liberty	1236	1829	Riverview Elementary	EL	8	8 0		16
Liberty	1236	1830	Sage Creek Elementary	EL	8	8 0		16
Liberty	1237	0687	Chester-Joplin-Inverness HS	HS	8	1 0		9
Lincoln	0519	0696	W F Morrison School	EL	8	6 2		16
Lincoln	0519	1663	Troy 7-8	GR78	8	6 4		18
Lincoln	0520	0697	Troy High School	HS	8	5 1		14
Lincoln	0522	0705	Libby High School	HS	0	4 4		8
Lincoln	0522	1526	Libby Elementary School	EL	0	8 0		8
Lincoln	0527	0710	Eureka Elementary School	EL	8	6 0		14
Lincoln	0527	1724	Eureka Middle School 5-8	MS	8	6 0		14
Lincoln	0528	0711	Lincoln Co High School	HS	8	5 5		18
Lincoln	0529	0712	Fortine School	EL	8	6 0		14
Lincoln	0529	1841	Fortine 7-8	GR78	8			8
Lincoln	0530	0713	McCormick School	EL	8	0 0		8
Lincoln	0533	0716	Yaak School	EL	8	0 0		8
Lincoln	0534	0717	Trego School	EL	8	8 0		16
Madison	0536	0719	Alder School	EL	8	5 0		13
Madison	0537	0721	Sheridan Elementary Schl	EL	8	4 0		12
Madison	0537	1725	Sheridan 7-8	GR78	8	3 0		11
Madison	0538	0722	Sheridan High School	HS	8	3 0		11
Madison	0540	0723	Twin Bridges School	EL	8	4 0		12
Madison	0540	0724	Twin Bridges High School	HS	8	3 0		11
Madison	0540	1726	Twin Bridges 7-8	GR78	8	3 0		11

## Schools and Special Education Cooperatives Impacted by Critical Quality Educator Shortages 2010-11

County Name	LE	SC	School Name	Grade Type	Rural Isolation Score	Economic Disadvantage Score	Improvement Score	Total Score
Madison	0543	0726	Harrison School	EL	8	4 0		12
Madison	0543	0727	Harrison High School	HS	8	4 0		12
Madison	0543	1727	Harrison 7-8	GR78	8	4 0		12
Madison	0546	0729	Ennis School	EL	8	3 0		11
Madison	0546	0731	Ennis High School	HS	8	3 0		11
Madison	0546	1728	Ennis 7-8	GR78	8	3 0		11
McCone	0547	0732	Redwater School	EL	8	5 0		13
McCone	0547	1406	Bo Peep School	EL	8	5 0		13
McCone	0547	1800	Redwater 7-8	GR78	8	2 0		10
McCone	0548	0733	Circle High School	HS	8	2 0		10
McCone	0566	0755	Vida School	EL	8	0 0		8
McCone	0566	1836	Prairie Elk Colony School	EL	8	0 0		8
McCone	9701		Prairie View Coop					11
Meagher	0569	0758	White Sulphur Springs El	EL	8	6 0		14
Meagher	0569	1729	White Sulphur Springs 7-8	GR78	8	5 0		13
Meagher	0570	0759	White Sulphur Springs HS	HS	8	4 0		12
Mineral	0577	0765	Alberton School	EL	4	5 0		9
Mineral	0577	0766	Alberton High School	HS	4	4 1		9
Mineral	0577	1730	Alberton 7-8	GR78	4	8 0		12
Mineral	0579	0767	Superior Elementary	EL	8	6 0		14
Mineral	0579	0768	Superior High School	HS	8	6 0		14
Mineral	0579	1731	Superior 7-8	GR78	8	8 0		16
Mineral	0582	0770	St Regis School	EL	8	8 0		16
Mineral	0582	0771	St Regis High School	HS	8	8 0		16
Mineral	0582	1732	St Regis 7-8	GR78	8	8 0		16
Missoula	0583	0774	Lewis & Clark School	EL	0	4 4		8
Missoula	0583	0775	Lowell School	EL	0	8 0		8
Missoula	0583	1486	Porter Middle School	MS	0	5 5		10
Missoula	0584	1434	Seeley-Swan High School	HS	8	4 0		12
Missoula	0584	1592	Big Sky High School	HS	0	3 5		8
Missoula	0589	0793	Potomac School	EL	4	4 0		8

## Schools and Special Education Cooperatives Impacted by Critical Quality Educator Shortages 2010-11

County Name	LE	SC	School Name	Grade Type	Rural Isolation Score	Economic Disadvantage Score	Improvement Score	Total Score
Missoula	0589	1733	Potomac 7-8	GR78	4	4 0		8
Missoula	0590	1734	Bonner 7-8	GR78	0	6 2		8
Missoula	0592	0796	DeSmet School	EL	0	8 1		9
Missoula	0592	1736	DeSmet 7-8	GR78	0	8 0		8
Missoula	0594	0798	Sunset School	EL	8	0 1		9
Missoula	0595	0799	Clinton School	EL	4	5 0		9
Missoula	0595	1738	Clinton 7-8	GR78	4	4 0		8
Missoula	0596	0800	Swan Valley School	EL	8	1 0		9
Missoula	0596	1739	Swan Valley 7-8	GR78	8	5 0		13
Missoula	0597	0801	Seeley Lake Elementary	EL	8	6 1		15
Missoula	0597	1740	Seeley Lake 7-8	GR78	8	4 0		12
Missoula	0599	0802	Frenchtown Elementary School	EL	4	4 1		9
Missoula	9698		Missoula Area Education Coop					11
Musselshell	0605	0809	Central School	EL	8	5 0		13
Musselshell	0605	1644	Roundup 7-8	GR78	8	4 0		12
Musselshell	0606	0811	Roundup H S	HS	8	4 0		12
Musselshell	0607	0812	Melstone School	EL	8	6 0		14
Musselshell	0607	1742	Melstone 7-8	GR78	8	8 0		16
Musselshell	0608	0813	Melstone High School	HS	8	4 0		12
Park	0614	0825	Gardiner School	EL	8	1 0		9
Park	0614	1743	Gardiner 7-8	GR78	8	1 0		9
Park	1191	0824	Gardiner High School	HS	8	1 0		9
Park	0617	0828	Cooke City School	EL	8	0 0		8
Park	0635	0846	Springdale School	EL	8	0 0		8
Park	1215	1564	Arrowhead School	EL	8	5 0		13
Park	1215	1821	Arrowhead 7-8	GR78	8	6 0		14
Park	1227	1665	Shields Valley Elementary	EL	8	2 0		10
Park	1227	1797	Shields Valley 7-8	GR78	8	1 0		9
Park	1228	1666	Shields Valley High Schl	HS	8	2 0		10
Park	9700		Park County Coop					11
Petroleum	0642	0852	Winnett School	EL	8	7 0		15

# Schools and Special Education Cooperatives Impacted by Critical Quality Educator Shortages 2010-11

County Name	LE	SC	School Name	Grade Type	Rural Isolation Score	Economic Disadvantage Score	Improvement Score	Total Score
Petroleum	0642	0853	Winnett High School	HS	8	6 0		14
Petroleum	0642	1744	Winnett 7-8	GR78	8	7 0		15
Phillips	0648	0862	Dodson School	EL	8	8 0		16
Phillips	0648	0863	Dodson High School	HS	8	8 1		17
Phillips	0648	1745	Dodson 6-8	MS	8	0 1		9
Phillips	0657	0873	Saco High School	HS	8	4 0		12
Phillips	1203	0872	Saco School	EL	8	6 0		14
Phillips	1203	1746	Saco 7-8	GR78	8	4 0		12
Phillips	0659	0875	Malta High School	HS	8	4 0		12
Phillips	0659	0880	Tallow Creek School	EL	8	0 0		8
Phillips	0659	1504	Malta K-5	EL	8	6 1		15
Phillips	0659	1505	Malta 6-7-8	MS	8	4 0		12
Phillips	0659	1605	Loring Colony School	EL	8	8 0		16
Phillips	0663	0878	Whitewater School	EL	8	6 0		14
Phillips	0663	0879	Whitewater High School	HS	8	3 0		11
Phillips	0663	1747	Whitewater 7-8	GR78	8	4 0		12
Pondera	1226	0886	Heart Butte Elementary	EL	8	8 4		20
Pondera	1226	1656	Heart Butte High School	HS	8	7 8		23
Pondera	1226	1748	Heart Butte 7-8	GR78	8	8 8		24
Pondera	0671	0888	Dupuyer School	EL	8	5 0		13
Pondera	0679	0898	Valier School	EL	8	5 0		13
Pondera	0679	1749	Valier 7-8	GR78	8	4 0		12
Pondera	0679	1808	Kingsbury Colony Attn Ctr	EL	8	0 0		8
Pondera	0680	0899	Valier High School	HS	8	3 0		11
Pondera	9755		Big Sky SE Coop					11
Powder River	0692	0913	Biddle School	EL	8	0 0		8
Powder River	0705	0930	Broadus School	EL	8	4 0		12
Powder River	0705	1751	Broadus 7-8	GR78	8	3 0		11
Powder River	0706	0931	Powder River Co Dist High	HS	8	2 0		10
Powder River	0709	0934	South Stacey School	EL	8	0 0		8
Powder River	9705		Tri County Coop					11

## Schools and Special Education Cooperatives Impacted by Critical Quality Educator Shortages 2010-11

County Name	LE	SC	School Name	Grade Type	Rural Isolation Score	Economic Disadvantage Score	Improvement Score	Total Score
Powell	0715	0942	Ovando School	EL	8	0 0		8
Powell	0717	0944	Helmville School	EL	8	0 0		8
Powell	0719	0947	Elliston School	EL	8	5 0		13
Powell	0720	0948	Avon School	EL	8	0 0		8
Powell	0721	0949	Gold Creek School	EL	8	0 0		8
Powell	9703		Great Divide Educ Serv					11
Prairie	0726	0954	Terry School	EL	8	6 0		14
Prairie	0726	0958	Terry High School	HS	8	4 0		12
Prairie	0726	1752	Terry Middle School	GR78	8	6 0		14
Ravalli	0731	0963	Edna Thomas School	EL	4	4 0		8
Ravalli	0731	0964	Corvallis High School	HS	4	4 2		10
Ravalli	0731	1557	Quentin Brown Primary K-4	EL	4	4 0		8
Ravalli	0731	1558	Corvallis 7-8	GR78	4	5 0		9
Ravalli	0732	0965	Stevensville K-6	EL	4	5 1		10
Ravalli	0732	1577	Stevensville 7-8	GR78	4	4 0		8
Ravalli	0733	0966	Stevensville High School	HS	4	2 2		8
Ravalli	0738	0971	Victor School	EL	8	8 0		16
Ravalli	0738	0972	Victor High School	HS	8	5 0		13
Ravalli	0738	1753	Victor Middle School	MS	8	8 0		16
Ravalli	0740	0973	Darby School	EL	8	6 0		14
Ravalli	0740	0974	Darby High School	HS	8	4 0		12
Ravalli	0740	1608	Darby 7-8	GR78	8	5 0		13
Ravalli	0741	0975	Lone Rock School	EL	4	4 0		8
Ravalli	9690		Bitterroot Valley Coop					11
Richland	0747	0982	Savage School	EL	8	2 0		10
Richland	0747	1754	Savage 7-8	GR78	8	4 0		12
Richland	0748	0983	Savage High School	HS	8	2 0		10
Richland	0750	0986	Fairview School	EL	8	3 0		11
Richland	0750	1755	Fairview 7-8	GR78	8	3 0		11
Richland	0751	0987	Fairview High School	HS	8	2 0		10
Richland	0768	1005	Lambert School	EL	8	1 0		9

## Schools and Special Education Cooperatives Impacted by Critical Quality Educator Shortages 2010-11

County Name	LE	SC	School Name	Grade Type	Rural Isolation Score	Economic Disadvantage Score	Improvement Score	Total Score
Richland	0768	1756	Lambert 7-8	GR78	8	2 0		10
Richland	0769	1006	Lambert High School	HS	8	2 1		11
Roosevelt	0774	1411	Frontier School	EL	4	5 0		9
Roosevelt	0774	1757	Frontier 7-8	GR78	4	7 0		11
Roosevelt	0775	1014	Poplar 5-6 School	EL	8	8 8		24
Roosevelt	0775	1015	Poplar School	EL	8	8 8		24
Roosevelt	0775	1550	Poplar 7-8	GR78	8	8 8		24
Roosevelt	0776	1016	Poplar High School	HS	8	8 8		24
Roosevelt	0777	1017	Culbertson School	EL	8	4 0		12
Roosevelt	0777	1758	Culbertson 7-8	GR78	8	3 0		11
Roosevelt	0778	1018	Culbertson High School	HS	8	3 0		11
Roosevelt	0780	1020	Southside School	EL	0	8 7		15
Roosevelt	0780	1022	Northside School	EL	0	7 8		15
Roosevelt	0780	1532	Wolf Point 7-8	GR78	0	8 8		16
Roosevelt	0781	1023	Wolf Point High School	HS	0	6 7		13
Roosevelt	0782	1025	Barbara Gilligan School	EL	8	8 4		20
Roosevelt	0782	1759	Barbara Gilligan 7-8	GR78	8	8 8		24
Roosevelt	0783	1026	Brockton High School	HS	8	8 8		24
Roosevelt	0785	1027	Bainville School	EL	8	3 0		11
Roosevelt	0785	1028	Bainville High School	HS	8	2 0		10
Roosevelt	0785	1760	Bainville 7-8	GR78	8	2 0		10
Roosevelt	0786	1029	Froid Elementary School	EL	8	5 0		13
Roosevelt	0786	1761	Froid 7-8	GR78	8	5 0		13
Roosevelt	0787	1030	Froid High School	HS	8	4 0		12
Roosevelt	9801		Roose-Valley Spec Educ					11
Rosebud	0789	1032	Birney School	EL	8	0 0		8
Rosebud	0790	1033	Forsyth Elementary School	EL	8	3 0		11
Rosebud	0790	1535	Forsyth 7-8	GR78	8	3 1		12
Rosebud	0791	1034	Forsyth High School	HS	8	1 4		13
Rosebud	0792	1035	Lame Deer School	EL	8	8 8		24
Rosebud	0792	1626	Lame Deer 7-8	GR78	8	8 8		24

# Schools and Special Education Cooperatives Impacted by Critical Quality Educator Shortages 2010-11

County Name	LE	SC	School Name	Grade Type	Rural Isolation Score	Economic Disadvantage Score	Improvement Score	Total Score
Rosebud	1230	1816	Lame Deer High School	HS	8	8	8	24
Rosebud	0795	1038	Rosebud High School	HS	8	7	0	15
Rosebud	0795	1470	Rosebud School	EL	8	7	0	15
Rosebud	0795	1762	Rosebud 7-8	GR78	8	8	1	17
Rosebud	0796	1603	Pine Butte Elementary Sch	EL	8	4	2	14
Rosebud	0796	1609	Frank Brattin Middle Schl	MS	8	3	0	11
Rosebud	0797	1040	Colstrip High School	HS	8	2	0	10
Rosebud	0800	1043	Ashland School	EL	8	7	6	21
Rosebud	0800	1763	Ashland 7-8	GR78	8	8	4	20
Sanders	0802	1045	Plains Elementary School	EL	8	6	0	14
Sanders	0802	1627	Plains 7-8	GR78	8	6	0	14
Sanders	0803	1046	Plains High School	HS	8	4	0	12
Sanders	0804	1047	Thompson Falls Elem Schl	EL	8	6	0	14
Sanders	0804	1764	Thompson Falls 7-8	GR78	8	7	2	17
Sanders	0805	1048	Thompson Falls High Schl	HS	8	6	0	14
Sanders	0807	1050	Trout Creek School	EL	8	6	0	14
Sanders	0807	1820	Trout Creek 7-8	GR78	8	8	0	16
Sanders	0808	1051	Paradise School	EL	8	6	0	14
Sanders	0809	1052	Dixon Elementary	EL	8	8	0	16
Sanders	0809	1824	Dixon 7-8	GR78	8	8	0	16
Sanders	0811	1054	Noxon School	EL	8	6	0	14
Sanders	0811	1765	Noxon 7-8	GR78	8	5	0	13
Sanders	0812	1055	Noxon High School	HS	8	4	1	13
Sanders	0814	1057	Hot Springs School	EL	8	7	1	16
Sanders	0814	1766	Hot Springs 7-8	GR78	8	6	0	14
Sanders	0815	1058	Hot Springs High School	HS	8	6	0	14
Sanders	9702		Sanders Co Educ Serv Coop					11
Sheridan	0819	1061	Westby School	EL	8	3	0	11
Sheridan	0819	1062	Westby High School	HS	8	0	0	8
Sheridan	0819	1767	Westby 7-8	GR78	8	2	0	10
Sheridan	0822	1064	Medicine Lake School	EL	8	4	0	12

## Schools and Special Education Cooperatives Impacted by Critical Quality Educator Shortages 2010-11

County Name	LE	SC	School Name	Grade Type	Rural Isolation Score	Economic Disadvantage Score	Improvement Score	Total Score
Sheridan	0822	1065	Medicine Lake High School	HS	8	4 0		12
Sheridan	0822	1662	Medicine Lake 7-8	GR78	8	6 0		14
Sheridan	0828	1070	Plentywood School	EL	8	4 0		12
Sheridan	0828	1071	Plentywood High School	HS	8	2 0		10
Sheridan	0828	1768	Plentywood 7-8	GR78	8	3 0		11
Sheridan	9693		Sheridan/Daniels Coop					11
Silver Bow	0840	1641	East Middle School	MS	0	4 7		11
Silver Bow	0840	1642	West Elementary School	EL	0	6 2		8
Silver Bow	1212	1103	Butte High School	HS	0	3 5		8
Silver Bow	0843	1106	Divide School	EL	8	0 0		8
Silver Bow	0844	1107	Melrose School	EL	8	0 0		8
Stillwater	0848	1111	Columbus Elem School	EL	8	1 0		9
Stillwater	0848	1772	Columbus Middle School	MS	8	1 0		9
Stillwater	0849	1112	Columbus High School	HS	8	1 0		9
Stillwater	0850	1113	Reed Point Elementary	EL	8	4 0		12
Stillwater	0850	1773	Reed Point 7-8	GR78	8	8 0		16
Stillwater	0851	1114	Reed Point High School	HS	8	5 0		13
Stillwater	0853	1116	Fishtail School	EL	8	0 0		8
Stillwater	0857	1121	Nye School	EL	8	0 0		8
Stillwater	0858	1122	Rapelje School	EL	8	4 0		12
Stillwater	0858	1774	Rapelje 7-8	GR78	8	6 0		14
Stillwater	0859	1123	Rapelje High School	HS	8	5 0		13
Stillwater	0861	1125	Absarokee School	EL	8	2 0		10
Stillwater	0861	1775	Absarokee 7-8	GR78	8	2 0		10
Stillwater	0862	1126	Absarokee High School	HS	8	1 0		9
Stillwater	9704		Stillwater/Sweet Grass Coop					11
Sweet Grass	0865	1129	Big Timber School	EL	8	3 0		11
Sweet Grass	0865	1776	Big Timber 7-8	GR78	8	2 0		10
Sweet Grass	0868	1133	Melville School	EL	8	0 0		8
Sweet Grass	0872	1137	Greycliff School	EL	8	0 0		8
Sweet Grass	0875	1140	McLeod School	EL	8	0 0		8

## Schools and Special Education Cooperatives Impacted by Critical Quality Educator Shortages 2010-11

County Name	LE	SC	School Name	Grade Type	Rural Isolation Score	Economic Disadvantage Score	Improvement Score	Total Score
Sweet Grass	0882	1130	Sweet Grass Co High Schl	HS	8	1 0		9
Teton	0883	1147	Choteau School	EL	8	4 0		12
Teton	0883	1777	Choteau 7-8	GR78	8	3 0		11
Teton	0884	1148	Choteau High School	HS	8	2 0		10
Teton	0889	1153	Bynum School	EL	8	0 0		8
Teton	0890	1154	Fairfield Elementary School	EL	8	3 0		11
Teton	0890	1778	Fairfield 7-8	GR78	8	3 0		11
Teton	0891	1155	Fairfield High School	HS	8	2 0		10
Teton	0894	1158	Power School	EL	8	3 0		11
Teton	0894	1780	Power 7-8	GR78	8	3 0		11
Teton	0895	1159	Power High School	HS	8	2 0		10
Teton	0896	1160	Golden Ridge School	EL	8	0 0		8
Teton	0898	1163	Pendroy School	EL	8	8 1		17
Teton	0900	1165	Greenfield School	EL	8	3 0		11
Teton	0900	1814	Greenfield 7-8	GR78	8	3 0		11
Teton	1235	1156	Dutton/Brady Elementary	EL	8	7 0		15
Teton	1235	1157	Dutton/Brady High School	HS	8	4 0		12
Teton	1235	1750	Dutton/Brady Middle School	GR78	8	4 0		12
Teton	1235	1838	Midway Colony	EL	8	0 0		8
Toole	0903	1167	Sunburst Elementary	EL	8	3 0		11
Toole	0903	1168	Sunburst High School	HS	8	2 0		10
Toole	0903	1781	Sunburst Middle School	MS	8	1 0		9
Toole	0903	1809	Hillside Colony School	EL	8	0 1		9
Toole	0903	1815	Rimrock Colony School	EL	8	0 0		8
Toole	0910	1832	Cam Rose School	EL	8	8 0		16
Toole	0915	1183	Galata School	EL	8	0 0		8
Treasure	0923	1193	Hysham School	EL	8	5 0		13
Treasure	0923	1194	Hysham High School	HS	8	3 0		11
Treasure	0923	1782	Hysham 7-8	GR78	8	5 0		13
Valley	0927	1205	Frazer Elementary	EL	8	8 8		24
Valley	0927	1783	Frazer 7-8	GR78	8	8 8		24

## Schools and Special Education Cooperatives Impacted by Critical Quality Educator Shortages 2010-11

County Name	LE	SC	School Name	Grade Type	Rural Isolation Score	Economic Disadvantage Score	Improvement Score	Total Score
Valley	0928	1208	Frazer High School	HS	8	8	8	24
Valley	0932	1212	Hinsdale School	EL	8	6	0	14
Valley	0932	1784	Hinsdale 7-8	GR78	8	5	0	13
Valley	0933	1213	Hinsdale High School	HS	8	3	0	11
Valley	0935	1214	Opheim School	EL	8	2	0	10
Valley	0935	1215	Opheim High School	HS	8	2	0	10
Valley	0935	1785	Opheim 7-8	GR78	8	0	0	8
Valley	0937	1218	Nashua School	EL	8	5	0	13
Valley	0937	1219	Nashua High School	HS	8	5	1	14
Valley	0937	1786	Nashua 7-8	GR78	8	5	0	13
Valley	0941	1223	Lustre School	EL	8	3	0	11
Wheatland	0945	1228	Hillcrest School	EL	8	7	0	15
Wheatland	0945	1787	Hillcrest 7-8	GR78	8	5	0	13
Wheatland	0946	1230	Harlowton High School	HS	8	4	0	12
Wheatland	0947	1231	Shawmut School	EL	8	0	0	8
Wheatland	0948	1232	Judith Gap School	EL	8	4	0	12
Wheatland	0948	1788	Judith Gap 7-8	GR78	8	0	0	8
Wheatland	0949	1233	Judith Gap High School	HS	8	2	0	10
Wibaux	0964	1238	Wibaux Elementary School	EL	8	4	0	12
Wibaux	0964	1239	Wibaux High School	HS	8	3	0	11
Wibaux	0964	1789	Wibaux 7-8	GR78	8	4	0	12
Yellowstone	0965	1262	McKinley School	EL	0	6	4	10
Yellowstone	0965	1265	Orchard School	EL	0	8	4	12
Yellowstone	0965	1270	Washington School	EL	0	8	0	8
Yellowstone	0965	1275	Newman School	EL	0	7	2	9
Yellowstone	0965	1480	Ponderosa School	EL	0	7	4	11
Yellowstone	0965	1632	Lewis & Clark 7-8	GR78	0	4	4	8
Yellowstone	0965	1645	Riverside 7-8	GR78	0	5	7	12
Yellowstone	0966	1250	Billings Sr High School	HS	0	3	5	8
Yellowstone	0967	1647	Lockwood Middle School	MS	0	4	4	8
Yellowstone	0975	1288	Custer School	EL	8	4	0	12

## Schools and Special Education Cooperatives Impacted by Critical Quality Educator Shortages 2010-11

County Name	LE	SC	School Name	Grade Type	Rural Isolation Score	Economic Disadvantage Score	Improvement Score	Total Score
Yellowstone	0975	1289	Custer High School	HS	8	2 0		10
Yellowstone	0975	1792	Custer 7-8	GR78	8	5 0		13
Yellowstone	0976	1290	Morin School	EL	4	5 1		10
Yellowstone	0978	1292	Broadview School	EL	4	7 0		11
Yellowstone	0978	1793	Broadview 7-8	GR78	4	4 0		8
Yellowstone	0983	1296	Huntley Project Elem K-6	EL	4	4 0		8
Yellowstone	0985	1300	Shepherd Elementary	EL	4	4 0		8
Yellowstone	9694		Eastern Yellowstone Coop					11
Yellowstone	9707		Yellowstone/W Carbon Coop					11

## Appendix A – Locale Codes

### What are locale codes?

“Locale codes” are derived from a classification system originally developed by NCES in the 1980’s to describe a school’s location ranging from “large city” to “rural.” The codes are based on the physical location represented by an address that is matched against a geographic database maintained by the Census Bureau. This database is the Topographically Integrated and Geographically Encoded Referencing system, or TIGER. In 2005 and 2006, NCES supported work by the Census Bureau to redesign the original locale codes in light of changes in the U.S. population and the definition of key geographic concepts.

The locale codes are based on an address’s proximity to an urbanized area (a densely settled core with densely settled surrounding areas). The urban-centric locale code system classifies territory into four major types: city, suburban, town, and rural. Each type has three subcategories. For city and suburb, these are gradations of size – large, midsize, and small. Towns and rural areas are further distinguished by their distance from an urbanized area. They can be characterized as fringe, distant, or remote.

### How are locale codes assigned to school districts?

A school district’s locale code is not assigned on the basis of the central office address. It is derived from the locale codes of the schools in the district. If 50 percent or more of the public school students attend schools with the same locale code, that locale code is assigned to the district. For example, if 60 percent of students were enrolled in schools with a “rural - distant” locale code, and 40 percent were enrolled in schools with a “town - small” locale code, the district would be assigned a “rural – distant” locale code. If no single locale code accounts for 50 percent of the students, then the major category (city, suburb, town, or rural) with the greatest percent of students determines the locale; the locale code assigned is the smallest or most remote subcategory for that category.

### Urban-Centric Locale Codes

#### 11 - City, Large:

Territory inside an urbanized area and inside a principal city with population of 250,000 or more.

#### 12 - City, Midsize:

Territory inside an urbanized area and inside a principal city with population less than 250,000 and greater than or equal to 100,000.

#### 13 - City, Small:

Territory inside an urbanized area and inside a principal city with population less than 100,000.

#### 21 - Suburb, Large:

Territory outside a principal city and inside an urbanized area with population of 250,000 or more.

#### 22 - Suburb, Midsize:

Territory outside a principal city and inside an urbanized area with population less than 250,000 and greater than or equal to 100,000.

#### 23 - Suburb, Small:

Territory outside a principal city and inside an urbanized area with population less than 100,000.

#### 31 - Town, Fringe:

Territory inside an urban cluster that is less than or equal to 10 miles from an urbanized area.

#### 32 - Town, Distant:

Territory inside an urban cluster that is more than 10 miles and less than or equal to 35 miles from an urbanized area.

#### 33 - Town, Remote:

Territory inside an urban cluster that is more than 35 miles from an urbanized area.

#### 41 - Rural, Fringe:

Census-defined rural territory that is less than or equal to 5 miles from an urbanized area, as well as rural territory that is less than or equal to 2.5 miles from an urban cluster.

#### 42 - Rural, Distant:

Census-defined rural territory that is more than 5 miles but less than or equal to 25 miles from an urbanized area, as well as rural territory that is more than 2.5 miles but less than or equal to 10 miles from an urban cluster.

#### 43 - Rural, Remote:

Census-defined rural territory that is more than 25 miles from an urbanized area and is also more than 10 miles from an urban cluster.

**Appendix B – District Personnel Recruitment Report**



Education Field	Total Fte of Openings	Easy to Fill	Possible to Fill	Difficult to Fill	Applicants But Unable to Fill	Unable to Fill No Applicants
<b>Teachers</b>						
Art	13.36	36%	29%	26%	9%	0%
CTE	40.17	5%	28%	46%	1%	20%
Elementary Curriculum	286.75	64%	29%	7%	0%	0%
English	70.97	34%	41%	22%	0%	3%
English as a Second Language	0.50	0%	100%	0%	0%	0%
Health/PE	18.43	72%	26%	3%	0%	0%
Mathematics	50.71	13%	40%	46%	1%	0%
Music	45.60	4%	55%	36%	0%	5%
Science	50.31	30%	40%	29%	0%	1%
Social Studies	20.04	67%	10%	16%	6%	0%
Special Education	82.09	19%	31%	50%	0%	0%
Technology Education	2.90	31%	69%	0%	0%	0%
World Languages	15.73	27%	31%	36%	6%	0%
<b>Support Staff/Specialists/Administrators</b>						
Administrative - Other	11.50	22%	52%	26%	0%	0%
Administrative - Principal	20.87	53%	34%	13%	0%	0%
Administrative - Sp Ed Director	2.00	0%	0%	100%	0%	0%
Administrative - Superintendent	4.60	22%	35%	43%	0%	0%
Counseling	27.25	4%	53%	31%	4%	9%
Library	13.41	37%	30%	30%	0%	3%
No License Required	148.39	41%	49%	10%	0%	0%
Nurse	3.50	0%	29%	71%	0%	0%
Occupational Therapist	3.75	0%	0%	73%	0%	27%
Physical Therapist	1.55	0%	0%	100%	0%	0%
Social Worker	1.00	100%	0%	0%	0%	0%
Speech-Language Pathologist	14.33	0%	7%	51%	21%	21%
Support Staff	2.00	0%	0%	100%	0%	0%

## Appendix C – Emergency Authorizations for Employment

Emergency Authorizations for Employment by Endorsement - School Fiscal Years 2005-2011

Endorsement	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Total
Agriculture			2					2
Art K-12		1	1					2
Biology	1	1						2
Broadfield Science				3				3
Broadfield Social Studies	1							1
Business Education	1	1						2
Computer Science K-12	2							2
Drama	1							1
Elementary	1	1						2
English				1	1			2
Family & Consumer Sciences	3	2			1			6
History								0
Industrial Arts								0
Mathematics 5-12	6	1			2			9
Music K- 12	3	4						7
PE/Health K-12								0
Principal K-12								0
School Counseling K-12	5	3	1	2	1			12
Special Education P-12	1	1						2
Technology Education				1	1			2
Trade & Industry - Health Occupations								0
Trade and Industry - Automotive		1						1
World Language - French K-12	1							1
World Language - Japanese K-12	1	1						2
World Language - Latin K-12	1	2				1		4
World Language - Spanish K-12	2	1				1		4
Total	30	20	4	7	8	0	0	69

Of the 69 emergency authorizations for employment granted by the Superintendent of Public Instruction for school fiscal years 2005 through 2011, 61 (88%) were to individuals who taught in one of the eight critical shortage areas identified in this report.