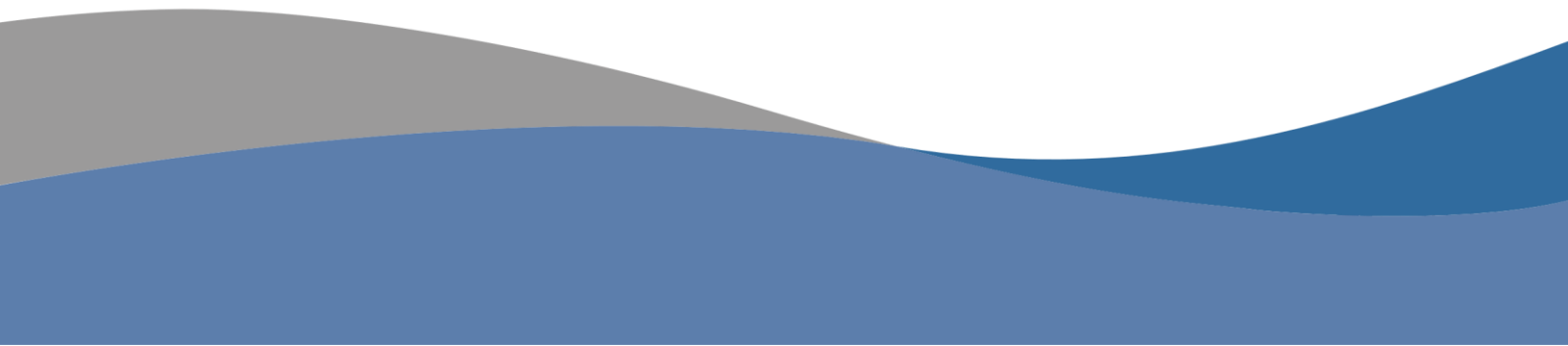




Education Report

Junior High/Intermediate/Middle School Education and Teaching

California



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Definition of Junior High/Intermediate/Middle School Education and Teaching, CIP 13.1203

A program that prepares individuals to teach students in the middle, intermediate or junior high grades, which may include grades four through nine by regulation.

Occupation Crosswalk

The below table lists all occupations linked with the program, Junior High/Intermediate/Middle School Education and Teaching, CIP 13.1203.

		Education and Training Requirements			Educational Attainment				
		Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-the-Job Training Needed to Attain Competency in the Occupation	No College	Some College, No Degree	Associate's Degree	Bachelor's Degree	Postgraduate Degree
25-1081	Education Teachers, Postsecondary	Doctoral or professional degree	Less than 5 years	None	1%	1%	1%	14%	83%
25-2022	Middle School Teachers, Except Special and Career/Technical Education	Bachelor's degree	None	None	0%	2%	2%	45%	51%
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	Bachelor's degree	None	None	0%	2%	1%	41%	56%

Education and training requirements are from the Bureau of Labor Statistics (BLS); educational attainment mix are regional data modeled by Chmura using Census educational attainment data projected to 2022Q4 along with source data from the BLS

Definition of Education Teachers, Postsecondary (25-1081)

Teach courses pertaining to education, such as counseling, curriculum, guidance, instruction, teacher education, and teaching English as a second language. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.

Definition of Middle School Teachers, Except Special and Career/Technical Education (25-2022)

Teach one or more subjects to students at the middle, intermediate, or junior high school level.

Definition of Secondary School Teachers, Except Special and Career/Technical Education (25-2031)

Teach one or more subjects to students at the secondary school level.

Occupation Details

As of 2022Q4, total employment for occupations linked to Junior High/Intermediate/Middle School Education and Teaching in California was 159,798. Over the past three years, linked occupations shed 4,939 jobs in the region and are expected to need in aggregate approximately 82,283 newly trained workers over the next seven years.

Snapshot of Occupations Linked to Junior High/Intermediate/Middle School Education and Teaching in California¹

SOC	Occupation	Current						3-Year History	7-Year Forecast				
		Empl	Mean Ann Wages ²	LQ	Unempl	Unempl Rate	Online Job Ads ³	Ann %	Total Demand	Exits	Transfers	Empl Growth	Avg Ann Growth %
25- 2031	Secondary School Teachers, Except Special and Career/Technical Education	105,321	\$100,400	0.85	2,531	2.4%	2,021	-1.0%	52,871	21,638	29,100	2,132	0.3%
25- 2022	Middle School Teachers, Except Special and Career/Technical Education	49,646	\$97,600	0.70	1,386	2.7%	2,339	-1.0%	26,302	11,914	13,666	722	0.2%
25- 1081	Education Teachers, Postsecondary	4,831	\$98,800	0.70	90	1.9%	131	-1.0%	3,110	1,565	1,322	224	0.6%
Total - Linked Occupations		159,798	\$99,500	0.79	4,007	2.5%	4,491	-1.0%	82,283	35,118	44,088	3,078	0.3%
Total - All Occupations		19,219,968	\$71,900	1.00	797,161	4.1%	549,411	0.6%	17,029,863	6,722,656	9,379,252	927,955	0.7%

Source: [JobsEQ®](#)

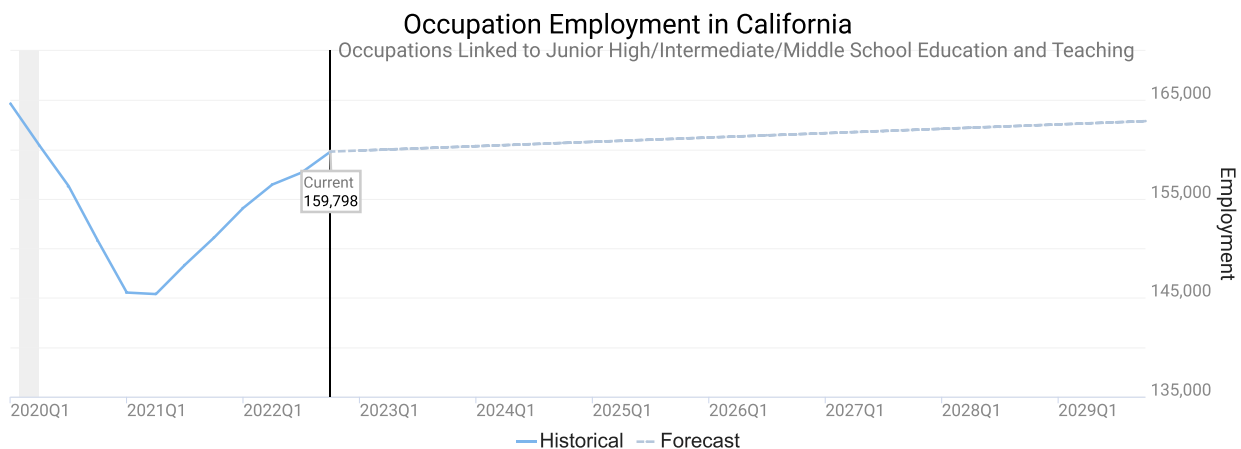
Data as of 2022Q4 unless noted otherwise

Note: Figures may not sum due to rounding.

1. Data based on a four-quarter moving average unless noted otherwise.

2. Wage data represent the average for all Covered Employment

3. Data represent found online ads active within the last thirty days in the selected region. Due to alternative county-assignment algorithms, ad counts in this analytic may not match that shown in RTI (nor in the popup window ad list). Ad counts for ZCTA-based regions are estimates.



Source: JobsEQ®, Data as of 2022Q4. The shaded areas of the graph represent national recessions.

Occupation employment data are estimated via industry employment data and the industry/occupation mix. Industry employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and currently updated through 2022Q3, imputed where necessary with preliminary estimates updated to 2022Q4. Forecast employment growth uses national projections from the Bureau of Labor Statistics adapted for regional growth patterns. Occupation unemployment figures are imputed by Chmura.

Employment by Industry

The table illustrates the industries in California which most employ occupations linked to Junior High/Intermediate/Middle School Education and Teaching. The single industry most employing these occupations in the region is Elementary and Secondary Schools, NAICS 6111. This industry employs 153,105 workers in the linked occupations—employment which is expected to increase by 3,953 jobs over the next ten years; furthermore, 107,731 additional new workers in these linked occupations will be needed for this industry due to separation demand, that is, to replace workers in this occupation and industry that retire or move into a different occupation.

Industry Distribution for Occupations Linked to Junior High/Intermediate/Middle School Education and Teaching in California

NAICS Code	Industry Title	Current			10-Year Demand		
		% of Occ Empl	Empl	Exits	Transfers	Empl Growth	Total Demand
6111	Elementary and Secondary Schools	95.8%	153,105	47,371	60,361	3,953	111,684
6113	Colleges, Universities, and Professional Schools	2.6%	4,152	1,909	1,637	341	3,887
8131	Religious Organizations	0.6%	897	274	356	36	666
6112	Junior Colleges	0.5%	813	363	306	-8	661
	All Others	0.5%	831	265	341	95	701

Source: JobsEQ®

Data as of 2022Q4 except wages which are as of 2021. Note that occupation-by-industry wages represent adjusted national data and may not be consistent with regional, all-industry occupation wages shown elsewhere in JobsEQ.

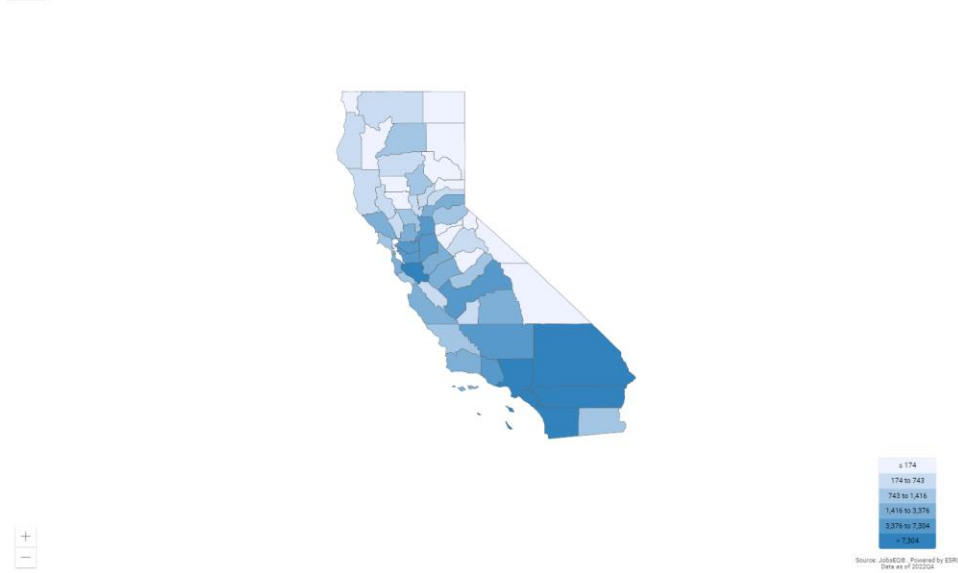
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Geographic Distribution

The map below illustrates the county-level distribution of employed workers in California in occupations linked to Junior High/Intermediate/Middle School Education and Teaching. Employment is shown by place of work.

California, Occupation Concentration by Place of Work for Occupations Linked to Junior High/Intermediate/Middle School Education and Teaching



Top Counties with Employment Linked to Junior High/Intermediate/Middle School Education and Teaching, 2022Q4

Region	Employment
Los Angeles County, California	39,197
San Diego County, California	13,055
Orange County, California	12,346
Riverside County, California	9,473
San Bernardino County, California	9,166
Santa Clara County, California	7,305
Alameda County, California	5,982
Sacramento County, California	5,888
Fresno County, California	5,192
Kern County, California	4,826

Source: JobsEQ®

Occupation employment data are estimated via industry employment data and the industry/occupation mix. Industry employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and currently updated through 2022Q3, imputed where necessary with preliminary estimates updated to 2022Q4.

Demographic Profile

The population in California was 39,346,023 per American Community Survey data for 2016-2020.

Of individuals 25 to 64 in California, 35.4% have a bachelor's degree or higher which compares with 34.3% in the nation. Per American Community Survey 2016-2020 estimates, the region has about 576,714 students enrolled in grade 12.

Summary¹

	Percent		Value	
	California	USA	California	USA
Demographics				
Population (ACS)	—	—	39,346,023	326,569,308
Male	49.7%	49.2%	19,562,882	160,818,530
Female	50.3%	50.8%	19,783,141	165,750,778
Median Age ²	—	—	36.7	38.2
Under 18 Years	22.8%	22.4%	8,956,641	73,296,738
18 to 24 Years	9.5%	9.3%	3,724,239	30,435,736
25 to 34 Years	15.3%	13.9%	6,007,913	45,485,165
35 to 44 Years	13.3%	12.7%	5,233,903	41,346,677
45 to 54 Years	12.8%	12.7%	5,039,155	41,540,736
55 to 64 Years	12.0%	12.9%	4,739,675	42,101,439
65 to 74 Years	8.3%	9.4%	3,270,380	30,547,950
Population Growth				
Population (Pop Estimates) ⁴	—	—	39,029,342	333,287,557
Population Annual Average Growth ⁴	0.3%	0.6%	108,479	1,940,990
People per Square Mile	—	—	250.4	94.3
Educational Attainment, Age 25-64				
No High School Diploma	15.2%	10.5%	3,199,850	17,929,220
High School Graduate	20.4%	25.4%	4,282,776	43,289,555
Some College, No Degree	21.0%	20.5%	4,412,172	34,959,338
Associate's Degree	8.0%	9.3%	1,678,082	15,776,790
Bachelor's Degree	22.6%	21.6%	4,741,354	36,888,244
Postgraduate Degree	12.9%	12.7%	2,706,412	21,630,870
Social				
Poverty Level (of all people)	12.6%	12.8%	4,853,434	40,910,326
Households Receiving Food Stamps/SNAP	9.0%	11.4%	1,183,873	13,892,407
Enrolled in Grade 12 (% of total population)	1.5%	1.3%	576,714	4,358,865
Disconnected Youth ³	1.9%	2.5%	38,451	433,164
Children in Single Parent Families (% of all children)	32.8%	34.0%	2,796,858	23,628,508
Uninsured	7.2%	8.7%	2,806,173	28,058,903
Speak English Less Than Very Well (population 5 yrs and over)	17.4%	8.2%	6,432,102	25,312,024

Source: [JobsEQ®](https://www.chmuraecon.com/jobseq)

1. American Community Survey 2016-2020, unless noted otherwise

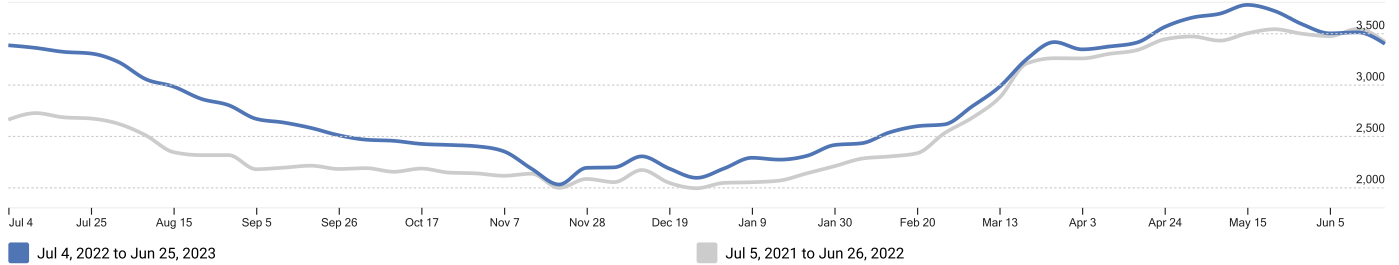
2. Median values for certain aggregate regions (such as MSAs) may be estimated as the weighted averages of the median values from the composing counties.

3. Disconnected Youth are 16-19 year olds who are (1) not in school, (2) not high school graduates, and (3) either unemployed or not in the labor force.

4. Census Population Estimate for 2022, annual average growth rate since 2012. Post-2019 data for Connecticut counties are imputed by Chmura.

RTI (Job Postings)

Active Job Ads by Date



Occupations

SOC	Occupation	Active Job Ads
25- 2022.00	Middle School Teachers, Except Special and Career/Technical Education	8,463
25- 2031.00	Secondary School Teachers, Except Special and Career/Technical Education	7,750
25- 1081.00	Education Teachers, Postsecondary	447

Locations

Location	Active Job Ads
Oakland, CA 94607	344
Los Angeles, California	262
San Francisco, California	171
San Jose, California	105
Oakland, California	100
San Diego, California	78
94109	67
Sacramento, California	64
94607	61
95381-9013	59

Employers

Employer Name	Active Job Ads	
Oakland Unified School District	821	
Fusion Academy	379	
Kaiser Permanente	182	
Kern High School District	150	
Bright Star Schools	137	
PUC Schools	109	
GetSelected.com	88	
Pajaro Valley Unified School District	81	
San Francisco Unified School District	76	
Elk Grove Unified School District	67	

Certifications

Certificate Name	Active Job Ads	
First Aid Certification	509	
Certification in Cardiopulmonary Resuscitation (CPR)	491	
Driver's License	348	
Licensed Clinical Social Worker (LCSW)	14	
AED Essentials	9	
ServSafe Food Protection Manager Certification	9	
Secret Clearance	6	
Board Certified Assistant Behavior Analyst (BCaBA)	4	
Board Certified Behavior Analyst (BCBA)	4	
Food Safety Manager Certification	4	

Hard Skills

Skill Name	Active Job Ads	
Teaching/Training, School	11,073	
Spanish	1,483	
Mathematics	1,391	
Bilingual	1,016	
English	683	
Microsoft Office	500	
Classroom Management	405	
Working With Children	390	
Microsoft Excel	354	
Calculators	291	

Soft Skills

Skill Name	Active Job Ads	
Communication (Verbal and written skills)	5,433	
Cooperative/Team Player	3,205	
Organization	1,444	
Problem Solving	1,202	
Interpersonal Relationships/Maintain Relationships	1,184	
Self-Motivated/Ability to Work Independently/Self Leadership	1,132	
Critical Thinking	1,033	
Clerical	965	
Listening	955	
Adaptability/Flexibility/Tolerance of Change and Uncertainty	922	

Job Titles

Job Title	Active Job Ads	
Intern I - High School	171	
Math Teacher	127	
Science Teacher	122	
English Teacher	121	
Middle School Teacher	119	
Middle School Math Teacher	89	
High School Teacher	69	
Spanish Teacher	58	
Middle School Science Teacher	55	
Art Teacher	52	

Job Types

Type	Active Job Ads	
Full-Time	10,843	
Part-Time	4,117	
Temporary (unspecified)	900	
Temporary (long-term)	435	
Permanent	229	
Remote	167	
Temporary (short-term)	11	
Temp-to-Hire	1	
Remote Not Indicated	16,493	

Programs

Program Name	Active Job Ads	
Education	617	
Mathematics	339	
Biology	272	
Science	218	
Chemistry	175	
English	152	
Social Work	110	
Psychology	107	
Social Science	102	
Special Education	88	

Education Levels

Minimum Education Level	Active Job Ads	
Bachelor's degree	5,050	
Master's degree	728	
Associate's degree	692	
Doctoral or professional degree	131	
Unspecified/other	10,059	

California Regional Map



FAQ

What is CIP?

The 2010 Classification of Instructional Programs (CIP) is taxonomy of instructional program classifications and descriptions. It was developed and has been updated by the U.S. Department of Education's National Center for Education Statistics (NCES).

What is SOC?

The Standard Occupational Classification system (SOC) is used to classify workers into occupational categories. All workers are classified into one of over 804 occupations according to their occupational definition. To facilitate classification, occupations are combined to form 22 major groups, 95 minor groups, and 452 occupation groups. Each occupation group includes detailed occupations requiring similar job duties, skills, education, or experience.

What is the source of the job ads?

Job ads data are online job posts from the Real-Time Intelligence (RTI) data set, produced wholly by Chmura and gleaned from over 40,000 websites. Data reflect ads active during the last twelve month period ending 06/29/2023 and advertised for any Zip Code Tabulation Area in or intersecting with the region for which this report was produced. Historical ad volume is revised as additional data are made available and processed. Since many extraneous factors can affect short-term volume of online job postings, time-series data can be volatile and should be used with caution. All ad counts represent deduplicated figures.

What is the program-to-occupation crosswalk?

Training programs are classified according to the Classification of Instructional Programs (CIP codes). For relating training programs, this report uses a modified version of the CIP to SOC crosswalk from the National Center for Education Statistics (NCES). While this is a very helpful crosswalk for estimating occupation production from training program awards data, the crosswalk is neither perfect nor comprehensive. Indeed, it is hard to imagine such a crosswalk being perfect since many training program graduates for one reason or another do not end up employed in occupations that are most related to the training program from which they graduated. Therefore, the education program analyses should be considered in this light.

As an example of the many scenarios that may unfold, consider a journalism degree that crosswalks into three occupations: editors, writers, and postsecondary communications teachers. Graduates with a journalism degree may get a job in one of these occupations—and that may be the most-likely scenario—but a good number of these graduates may get a job in a different occupation altogether (the job may be somewhat related, such as a reporter, or the job may be totally unrelated, such as a real estate agent). Furthermore, a graduate may stay in school or go back to school for a degree that will lead to other occupation possibilities. Still another possibility includes the graduate not entering the labor market (maybe being unemployed, being a non-participant, or moving to another region).

What is separation demand?

Separation demand is the number of jobs required due to separations—labor force exits (including retirements) and turnover resulting from workers moving from one occupation into another. Note that separation demand does not include all turnover—it does not include when workers stay in the same occupation but switch employers. The total projected demand for an occupation is the sum of the separation demand and the growth

demand (which is the increase or decrease of jobs in an occupation expected due to expansion or contraction of the overall number of jobs in that occupation).

What is a location quotient?

A location quotient (LQ) is a measurement of concentration in comparison to the nation. An LQ of 1.00 indicates a region has the same concentration of an occupation (or industry) as the nation. An LQ of 2.00 would mean the region has twice the expected employment compared to the nation and an LQ of 0.50 would mean the region has half the expected employment in comparison to the nation.

What is NAICS?

The North American Industry Classification System (NAICS) is used to classify business establishments according to the type of economic activity. The NAICS Code comprises six levels, from the “all industry” level to the 6-digit level. The first two digits define the top level category, known as the “sector,” which is the level examined in this report.

About This Report

This report and all data herein were produced by JobsEQ®, a product of Chmura Economics & Analytics. The information contained herein was obtained from sources we believe to be reliable. However, we cannot guarantee its accuracy and completeness.