

# Teaching Assistants Occupations

# Labor Market Information Report

# West Valley College

## Prepared by the San Francisco Bay Center of Excellence for Labor Market Research

**June 2021**

## Recommendation

Based on all available data, there appears to be an “undersupply” of Teaching Assistants workers compared to the demand for this cluster of occupations in the Bay region and in the Silicon Valley sub-region (Santa Clara county). There is a projected annual gap of about 3,105 students in the Bay region and 660 students in the Silicon Valley Sub-Region.

## Introduction

This report provides student outcomes data on employment and earnings for TOP 0809.00 - Special Education programs in the state and region. It is recommended that these data be reviewed to better understand how outcomes for students taking courses on this TOP code compare to potentially similar programs at colleges in the state and region, as well as to outcomes across all CTE programs at West Valley College and in the region.

This report profiles Teaching Assistant Occupations in the 12 county Bay region and in the Silicon Valley sub-region for a proposed new Early Intervention Assistant program at West Valley College.

* **Teaching Assistants, Except Postsecondary (25-9045):** Perform duties that are instructional in nature or deliver direct services to students or parents. Serve in a position for which a teacher has ultimate responsibility for the design and implementation of educational programs and services. Excludes “Graduate Teaching Assistants” (25-1191).
  Entry-Level Educational Requirement: Some college, no degree
  Training Requirement: None
  Percentage of Community College Award Holders or Some Postsecondary Coursework: 39%

## Occupational Demand

**Table 1. Employment Outlook for Teaching Assistants Occupations in Bay Region**

| **Occupation** | **2019 Jobs** | **2024 Jobs** | **5-yr Change** | **5-yr % Change** | **5-yr Total Openings** | **Annual Openings** | **25% Hourly Earning** | **Median Hourly Wage** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Teaching Assistants, Except Postsecondary | 32,498 | 31,282 | -1,216 | -4% | 18,684 | 3,114 | $ 15 | $ 18 |
| **Total** | **32,498** | **31,282** | **-1,216** | **-4%** | **18,684** | **3,114** | **$15** | **$18** |
| Source: EMSI 2021.2 |

**Bay Region includes:** Alameda, Contra Costa, Marin, Monterey, Napa, San Benito, San Francisco, San Mateo, Santa Clara, Santa Cruz, Solano and Sonoma Counties

**Table 2. Employment Outlook for Teaching Assistants Occupations in Silicon Valley Sub-region**

| **Occupation** | **2019 Jobs** | **2024 Jobs** | **5-yr Change** | **5-yr % Change** | **5-yr Total Openings** | **Annual Openings** | **25% Hourly Earning** | **Median Hourly Wage** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Teaching Assistants, Except Postsecondary | 7,002 | 6,694 | -308 | -4% | 3,961 | 660 | $ 15 | $ 19 |
| **Total** | **7,002** | **6,694** | **-308** | **-4%** | **3,961** | **660** | **$15** | **$19** |
| Source: EMSI 2021.2 |

**Silicon Valley Sub-Region includes:** Santa Clara County

### Job Postings in Bay Region and Silicon Valley Sub-Region

**Table 3. Number of Job Postings by Occupation for latest 12 months (Jun 2020 - May 2021)**

| **Occupation** | **Bay Region** | **Silicon Valley** |
| --- | --- | --- |
| Teacher Assistants | 3,371 | 633 |
| Source: Burning Glass |

**Table 4a. Top Job Titles for Teaching Assistants Occupations for latest 12 months (Jun 2020 - May 2021) Bay Region**

| **Title** | **Bay** | **Title** | **Bay** |
| --- | --- | --- | --- |
| Assistant Teacher | 110 | Teacher Aide | 37 |
| Paraeducator | 87 | Teacher's Aide | 36 |
| Paraprofessional | 77 | Special Education Paraprofessional | 36 |
| Paraprofessional/Educator | 76 | Montessori Assistant Teacher | 29 |
| Instructional Assistant | 64 | Teacher's Assistant | 20 |
| Associate Teacher | 60 | Special Education Instructional Aide | 19 |
| Teacher Assistant | 58 | Behavioral Aide | 19 |
| Instructional Aide | 50 | Associate Teacher - Head Start | 19 |
| Teaching Assistant | 43 | Substitute Paraeducator | 18 |
| Source: Burning Glass |

**Table 4b. Top Job Titles for Teaching Assistants Occupations for latest 12 months (Jun 2020 - May 2021) Silicon Valley Sub-Region**

| **Title** | **Silicon Valley** | **Title** | **Silicon Valley** |
| --- | --- | --- | --- |
| Paraprofessional | 20 | Teaching Assistant | 6 |
| Instructional Assistant | 20 | Teacher's Assistant | 6 |
| Assistant Teacher | 20 | Teacher's Aide | 6 |
| Paraprofessional/Educator | 19 | Associate Teacher - Head Start | 6 |
| Teacher Assistant | 16 | Associate Teacher | 6 |
| Paraeducator | 12 | Stem Teaching | 5 |
| Instructional Aide | 12 | Special Education Paraprofessional | 5 |
| Teacher Aide | 8 | Paraprofessional Support Staff/Instructional Aid Special Education | 5 |
| School Age Program - Associate Teacher | 7 | Montessori Assistant Teacher | 5 |
| Source: Burning Glass |

## Industry Concentration

**Table 5. Industries hiring Teaching Assistants Workers in Bay Region**

| **Industry – 6 Digit NAICS (No. American Industry Classification) Codes** | **Jobs in Industry (2019)** | **Jobs in Industry (2024)** | **% Change (2019-24)** | **% Occupation Group in Industry (2019)** |
| --- | --- | --- | --- | --- |
| Elementary and Secondary Schools (Local Government) | 20,218 | 19,377 | -4% | 63% |
| Elementary and Secondary Schools | 4,018 | 4,375 | 9% | 13% |
| Child Day Care Services | 3,296 | 2,786 | -15% | 9% |
| Religious Organizations | 619 | 635 | 3% | 2% |
| Colleges, Universities, and Professional Schools (Local Government) | 568 | 462 | -19% | 2% |
| Services for the Elderly and Persons with Disabilities | 380 | 504 | 33% | 1% |
| Local Government, Excluding Education and Hospitals | 415 | 404 | -3% | 1% |
| Temporary Help Services | 229 | 211 | -8% | 1% |
| Colleges, Universities, and Professional Schools (State Government) | 355 | 208 | -41% | 1% |
| Colleges, Universities, and Professional Schools | 271 | 218 | -20% | 1% |
| Source: EMSI 2021.2 |

**Table 6. Top Employers Posting Teaching Assistants Occupations in Bay Region and Silicon Valley Sub-Region (Jun 2020 - May 2021)**

| **Employer** | **Bay** | **Employer** | **Silicon Valley** |
| --- | --- | --- | --- |
| Oakland Unified School District | 71 | Santa Clara Unified School District | 24 |
| Pleasanton Unified School District | 69 | Stepping Stones | 17 |
| Stepping Stones | 66 | Milpitas Unified | 16 |
| Kindercare | 58 | Ro Health | 14 |
| University San Francisco | 56 | Palo Alto Unified School District | 14 |
| West Contra Costa Unified School District | 49 | Kindercare | 14 |
| Kidango | 43 | Language Trainers | 13 |
| Spectrum Center | 40 | Kidango | 13 |
| Summit Public Schools | 39 | Campbell Union School District | 13 |
| Vacaville Unified School District | 35 | Fremont Union High School District | 12 |
| Source: Burning Glass |

## Educational Supply

There is one (1) community college in the Bay Region issuing 9 awards on average annually (last 3 years ending 2018-19) on TOP 0809.00 - Special Education. In the Silicon Valley Sub-Region, there are no community colleges that issued awards on average annually (last 3 years) on this TOP code.

**Table 7. Community College Awards on TOP 0809.00 - Special Education in Bay Region**

| **College** | **Subregion** | **Associate** | **Certificate Low** | **Total** |
| --- | --- | --- | --- | --- |
| Diablo Valley | East Bay | 5 | 4 | 9 |
| **Total** |  | **5** | **4** | **9** |
| Source: Data Mart |

*Note: The annual average for awards is 2016-17 to 2018-19.*

## Gap Analysis

Based on the data included in this report, there is a large labor market gap in the Bay region with 3,114 annual openings for the Teaching Assistantsoccupational cluster and 9 annual (3-year average) awards for an annual undersupply of 3,105 students. In the Silicon Valley Sub-Region, there is also a gap with 660 annual openings and no annual (3-year average) awards for an annual undersupply of 660 students.

## Student Outcomes

**Table 8. Four Employment Outcomes Metrics for Students Who Took Courses on TOP 0809.00 - Special Education**

| **Metric Outcomes** | **Bay****All CTE Programs** | **West Valley****All CTE Programs** | **State 0809.00** | **Bay 0809.00** | **Silicon Valley 0809.00** | **West Valley 0809.00** |
| --- | --- | --- | --- | --- | --- | --- |
| Students with a Job Closely Related to Their Field of Study | 75% | 86% | 73% | N/A | N/A | N/A |
| Median Annual Earnings for SWP Exiting Students | $44,575 | $42,173 | $21,502 | N/A | N/A | N/A |
| Median Change in Earnings for SWP Exiting Students | 31% | 38% | 34% | N/A | N/A | N/A |
| Exiting Students Who Attained the Living Wage | 52% | 45% | 32% | N/A | N/A | N/A |
| Source: Launchboard Strong Workforce Program from version 2017-18. |

## Skills, Certifications and Education

**Table 9. Top Skills for Teaching Assistants Occupations in Bay Region (Jun 2020 - May 2021)**

| **Skill** | **Posting** | **Skill** | **Posting** |
| --- | --- | --- | --- |
| Teaching | 1,998 | Health Screening | 157 |
| Special Education | 769 | Maintaining Student Records | 148 |
| Cardiopulmonary Resuscitation (CPR) | 656 | Special Needs Children | 147 |
| Child Development | 545 | Data Collection | 145 |
| Child Care | 459 | Educational Programs | 140 |
| Lesson Planning | 412 | No Child Left Behind (NCLB) | 134 |
| Early Childhood Education | 359 | Tutoring | 123 |
| Cleaning | 352 | Customer Service | 122 |
| Personal Protective Equipment (PPE) | 255 | Group Instruction | 101 |
| Clerical Duties | 232 | Student Placement | 98 |
| Autism Diagnosis / Treatment / Care | 227 | Staff Management | 97 |
| Toileting | 220 | Pertussis | 87 |
| Record Keeping | 186 | Lifting Ability | 84 |
| Scheduling | 168 | Influenza | 80 |
| Source: Burning Glass |

**Table 10. Certifications for Teaching Assistants Occupations in Bay Region (Jun 2020 - May 2021)**

| **Certification** | **Posting** | **Certification** | **Posting** |
| --- | --- | --- | --- |
| First Aid Cpr Aed | 468 | Early Childhood Education Certification | 5 |
| Driver's License | 350 | Bio-Hazard Certification | 5 |
| Child Development Associate (CDA) | 120 | Special Education Certification | 4 |
| Registered Behavior Technician | 66 | Certified Quality Improvement Associate (CQIA) | 4 |
| Certified Teacher | 46 | Certified Medical Assistant | 4 |
| Licensed Vocational Nurse (LVN) | 13 | American Institute of Architects | 4 |
| Certified Cyber Forensics Professional (CCFP) | 12 | Teaching Assistant | 3 |
| Board Certified Behavior Analyst (BCBA) | 12 | Security Clearance | 3 |
| Crisis Intervention Certification | 8 | Public Health Nurse | 3 |
| American Registry For Diagnostic Medical Sonography (ARDMS) | 6 | Cross-Cultural Language and Academic Development | 3 |
| Source: Burning Glass*Note: 74% of records have been excluded because they do not include a certification. As a result, the chart below may not be representative of the full sample.* |

**Table 11. Education Requirements for Teaching Assistants Occupations in Bay Region**

| **Education (minimum advertised)** | **Latest 12 Mos. Postings** | **Percent 12 Mos. Postings** |
| --- | --- | --- |
| High school or vocational training | 1,488 | 79% |
| Associate's degree | 361 | 19% |
| Bachelor's degree and higher | 27 | 2% |
| Source: Burning Glass |

*Note: 46% of records have been excluded because they do not include a degree level. As a result, the chart below may not be representative of the full sample.*

## Methodology

Occupations for this report were identified by use of skills listed in O\*Net descriptions and job descriptions in Burning Glass. Labor demand data is sourced from Economic Modeling Specialists International (EMSI) occupation data and Burning Glass job postings data. Educational supply and student outcomes data is retrieved from multiple sources, including CTE Launchboard and CCCCO Data Mart.

## Sources

O\*Net Online
Labor Insight/Jobs (Burning Glass)
Economic Modeling Specialists International (EMSI)
CTE LaunchBoard www.calpassplus.org/Launchboard/
Statewide CTE Outcomes Survey
Employment Development Department Unemployment Insurance Dataset
Living Insight Center for Community Economic Development
Chancellor’s Office MIS system

## Contacts

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