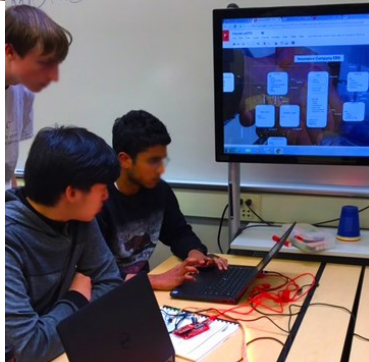
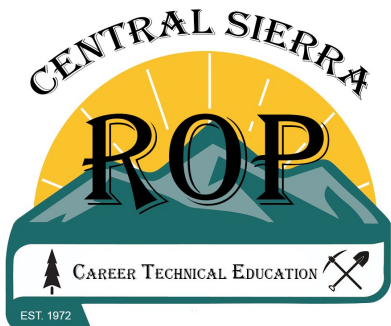


# ROP Database Design & SQL

## Course Description

**Learn to analyze complex business scenarios and create a data model—a conceptual representation of an organization’s information. Implement your database design by creating a physical database using SQL (Structured Query Language). This course culminates with a project that challenges students to design, implement, and demonstrate, with an App, a database solution for a business or organization.**

For more information visit your High School Career Center or the  
Central Sierra Regional Occupational Program  
4675 Missouri Flat Rd, Placerville, CA 95667  
530-622-5081 ext. 7239



[http://www.eduhsd.k12.ca.us/  
Educational-Services/Career-  
Technical-EducationROP](http://www.eduhsd.k12.ca.us/Educational-Services/Career-Technical-EducationROP)

## Learn About...

### Technical Skills

- Earn Oracle SQL Certified Expert Certification
- Learn About Database Management Systems. (Implement and Design)
- Basic Database Programming Theory
- Stages of Program Development
- Basic SQL (Structured Query Language) Syntax and rules for constructing valid statements

### Professional Skills

- Students will work on a team to create an idea for a business, learn about software development, and produce a working database and Android App.
- Motivated students have secured internships with Hewlett Packard and Intel.
- Research employment opportunities, prepare a resume, prepare for an interview, and learn how to apply for internships.

### Folsom Lake Articulation

- Students may earn 3 FLC college credits. Course is articulated with CISP 351 Database Design and SQL
- Course is designed for students with previous experience or a strong interest in computer coding.

**CENTRAL SIERRA REGIONAL OCCUPATIONAL PROGRAM**

4675 Missouri Flat Road ■ Placerville, CA 95667  
 (530) 622-5081, ext. 7239 ■ Fax: (530) 642-0287

**STUDENT ENROLLMENT FORM AND ADMISSION AGREEMENT**

|   |                              |                                       |                            |
|---|------------------------------|---------------------------------------|----------------------------|
| <b>1. FULL NAME</b>                                       |                              | <b>2. DATE OF BIRTH</b>               | <b>3. STUDENT ID #</b>     |
| <b>4. MAILING ADDRESS</b> (Street – PO Box – City – Zip): |                              | <b>5. STUDENT CONTACT INFORMATION</b> |                            |
|   |                              | Home Phone: (    ) _____              |                            |
|   |                              | Cell Phone: (    ) _____              |                            |
|   |                              | E-Mail: _____                         |                            |
| <b>6. SCHOOL OF ATTENDANCE</b>                            | <b>7. GRADE IN 2017/18</b>   | <b>8. COURSE TITLE</b>                |                            |
| <b>9. EMERGENCY INFORMATION</b>                           | <b>CONTACT:</b> (Name) _____ |                                       | <b>Relationship:</b> _____ |
|   | <b>PHONE:</b> Home _____     | Cell _____                            | Business _____             |

**STUDENT AGREEMENT:** Students are expected to participate in all ROP activities, whether on or off campus, including community site training, field trips, and any necessary travel related to regular ROP instruction. Students are responsible for their own transportation. High school students under the age of 18 must have parental/guardian permission to participate.

|   |                            |             |   |                                     |             |
|---|----------------------------|-------------|---|-------------------------------------|-------------|
| X | _____                      | <b>Date</b> | X | _____                               | <b>Date</b> |
|   | <i>Student Signature</i>   |             |   | <i>Parent / Guardian Signature</i>  |             |
| X | _____                      | <b>Date</b> | X | _____                               | <b>Date</b> |
|   | <i>Counselor Signature</i> |             |   | <i>Current School of Attendance</i> |             |

**MEDIA RELEASE AGREEMENT:** Students participating in the Central Sierra Regional Occupation Program (CSROP) are occasionally asked to be a part of publicity, publications, and/or public relations activities. In order to share positive information about our programs with the community, we request your permission to use a photograph, video or audio recording, and/or written work of your child. The CSROP agrees that the student's name, picture (still or video), written work, voice, and/or verbal statements shall only be used for public relations, public information, school or district promotion, and instruction. Your signature on this document indicates that you have read this release form and granted permission for use as described herein. If the Student and Parent/Guardian wish to rescind this consent, they may do so at any time with written notice.

|   |                          |             |   |   |             |
|---|--------------------------|-------------|---|---|-------------|
| X | _____                    | <b>Date</b> | X | _____   | <b>Date</b> |
|   | <i>Student Signature</i> |             |   | <i>Parent / Guardian Signature (if student is under 18)</i> |             |