

ROP Database Design and SQL Programming

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 concludes with a project that challenges students to design, implement, and demonstrate a database solution for a business or organization, using an App.



Technical Skills

- ◆ Helps prepare Students for the 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 may secure internships with business partners like Hewlett Packard and Intel
- ◆ Research employment opportunities, prepare a resume, prepare for an interview and learn how to apply for employment

This course is offered at Oak Ridge High School
1120 Harvard Way, El Dorado Hills, CA 95762

For more information, visit your High School Career Center or the
Central Sierra Regional Occupational Program

