

ROSLYN HIGH SCHOOL

DEPARTMENT: SCIENCE AND SOCIAL STUDIES

NAME OF COURSE: INTRODUCTION TO RESEARCH (ONE SEMESTER)

GENERAL DESCRIPTION OF COURSE

Students in this course will explore what research is, learn how research is conducted and learn how to analyze research results to become informed and critical consumers of research data. Students will study research planning, design, data collection, and statistical analysis. Different types of research done in various disciplines will be reviewed. Students will conduct a simple research study and use statistics to analyze results. Values will be explored through discussion of ethical research practices. Successful students may enter the Research sequence in the behavioral or natural sciences or in mathematics after completion of the course.

Major Topics Covered

- Types of Research
- Library Skills
- Scientific Method
- Statistical Analysis
- Research Design

Requirements

Written assignments and class participation are vital to this course. Each student will complete a group research project.

Grading Procedures

Evaluation is based on written assignments, quizzes, tests, class discussions, and the research project.