

ST. OLAF COLLEGE UPWARD BOUND COLLEGE PREPARATORY COURSES, SUMMER 2005

Science

Students will understand, implement, and participate in the scientific method and apply the correct methods to research and report findings.

- Topics I: Introduction to laboratory science focusing on physical sciences and biological sciences. Students will write an analytical science lab report detailing data for specific variables affecting plant growth.
- Topics II: Continuation of Topics I, focusing on biological sciences and more complex laboratory procedures. Students will write an analytical science laboratory report detailing ecological data comparing two forest plots.
- Topics III: Focus on current, relevant science issues, including DNA, genetics and microbiology. Course will stress scientific research and formal oral presentation skills, including the use of Power Point.

Mathematics

- Students will participate and complete daily vocabulary and ACT problems and practice speaking mathematically by explaining problem solving methods in groups.
- Students will engage in preparation for Minnesota Basic Standards Assessments or ACT tests in small groups and complete all assigned material.
- Students will participate in math enrichment activities.
- Students will either pass the Post-Standards test or improve on their pre-ACT test score.
- Students will be introduced to technology as it applies to math today.
- Students will actively participate and complete challenge problems in small groups.

Pre-College Reading

- Students will participate in timed reading exercises to increase reading speed and comprehension.
- Students will complete the required number of readings from assigned texts and novel, and complete the assigned comprehension questions, vocabulary building exercises, and novel/story discussion requirements.
- Students will complete required writing exercises.

Pre-College Writing

- Students will participate in timed reading exercises to increase reading speed and comprehension.
- Students will complete the required number of readings from assigned texts and novel, and complete the assigned comprehension questions, vocabulary building exercises, and novel/story discussion requirements.
- Students will complete required writing exercises emphasizing the writing process, including brainstorming, outlining, self-editing and revising.

Pre-College Literature

- Students will participate in class discussions and debate about relevant topics.
- Students will generate writing based on class discussions and novel.
- Students will complete required writing exercises, journals, a college essay and a paper about social justice.
- Students will complete the required number of readings from assigned texts and novel, and complete the assigned comprehension questions, vocabulary building exercises, and novel/story discussion requirements.
- Students will complete a draft of a college application essay.

Newsletter

Students will develop proficiency in Word, improve writing and editing skills, and assist in the publication of the weekly UB Newsletter.

Literary Magazine

Students will develop creative writing skills through the publication of a literary magazine.

Spanish I

Students will participate in total physical response and cooperative Spanish techniques emphasizing speaking skills. Students will participate in cultural activities.

Careers

Students will study various careers, complete a career inventory and learn about career opportunities.

Contemporary World Issues

Students will develop effective note taking and research skills. They will further develop organizational, writing and speaking skills by completing an oral presentation that is of interest to them.

Postsecondary Exploration

Students will prepare for the college search and application process by writing a resume, completing the college comparison worksheet, starting the college research process and attending college visits.

Arts

Students will develop an appreciation for theater, music, dance and art. Students will also produce a final project

BRIDGE

Graduated UB Seniors will complete a one-credit St. Olaf taught course, and three UB taught supporting courses: SUCCESS, Guided Study and Recitation. Bridge students will also participate in internships with local businesses/organizations.