Cadet Teaching - Mathematics

Rationale

The need to understand and be able to use mathematics in everyday life and in the workplace has never been greater and will continue to increase. The underpinnings of everyday life are increasingly mathematical and technological. Just as the level of mathematics needed for intelligent citizenship has increased, so too has the level of mathematical thinking and problem solving needed in the workplace. Those who understand and can do mathematics will have significantly enhanced the opportunities and options for shaping their futures. Mathematical competence opens doors to productive futures.

Course Description

This course gives the student the opportunity to participate in many activities that will both familiarize them with the teaching process as well as strengthen their own math skills. The student will develop the leadership and organizational skills needed in any working environment.

Prerequisites

Prerequisite: Application approval

Open to: 12

Credit: 1 Unit - Two Semesters (Elective)

Course Objectives

1. The student will attend class sessions in order to observe and verbally discuss effective teaching methods and classroom management with fewer than 6 absences per semester. Locally assessed. (CA6; 4.4, 4.5, 4.8) (A+: Speaking)

2. The student will read student responses to determine accuracy, complete assigned work and will meet deadlines with a 90% completion standard. Locally assessed. (MA1, 3; 1.5, 4.4, 4.5, 4.8) (A+: Reading)

3. The student will research effective teaching strategies to help tutor peers in both group and individual settings with 80% accuracy. Locally assessed. (MA1, 2, 4; 1.5, 2.1, 3.2, 3.3, 4.1, 4.4, 4.5, 4.8) (A+: Research)

4. At the end of the semester, the student will write a reflection of the cadet teaching experience. Locally assessed. (CA4; 2.3) (A+: Writing)

BOE 11-6-14