

Mathematics: One of the Liberal Arts

A report on Henderson State University's New General Education Mathematics Course

Fred Worth

Associate Professor of Mathematics

Abstract

Recently the Department of Mathematics and Computer Science instituted a new general education mathematics course. This paper describes the process and reasoning that went into the development of the course.

What are the "Liberal Arts?"

Traditionally the liberal arts has referred to the Trivium and the Quadrivium.

Trivium, which comes from the Latin for "place where three roads meet, public square," was the elementary division of the seven liberal arts in medieval schools, consisting of grammar, logic and rhetoric.

Quadrivium, which comes from the Latin for "place where four ways meet," was the higher division of the seven liberal arts in the Middle Ages, composed of geometry, astronomy, arithmetic and music.

So, traditionally, the seven liberal arts are:

1. grammar
2. logic
3. rhetoric
4. geometry
5. astronomy
6. arithmetic
7. music

Clearly geometry, arithmetic, and (to a great degree) logic are mathematical concepts. It can easily be argued that astronomy is mathematical in nature. The structures of grammar and music have much in common with mathematics. Additionally, the compositional and oratorical nature of rhetoric require the kind of logical thought processes that are an integral part of mathematics.

Today, few people would probably limit the liberal arts to the original seven areas. Now, areas such as history, philosophy, literature and natural sciences ought to be included in the category of "liberal arts."

Mathematics One Of The Liberal A

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Mathematics One Of The Liberal A:

Reviewing **Mathematics One Of The Liberal A**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is really astonishing. Within the pages of "**Mathematics One Of The Liberal A**," an enthralling opus penned by a highly acclaimed wordsmith, readers attempt an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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