Mathematics Teacher Encyclopedia Article

Mathematics Teacher

The following sections of this BookRags Literature Study Guide is offprint from Gale's For Students Series: Presenting Analysis, Context, and Criticism on Commonly Studied Works: Introduction, Author Biography, Plot Summary, Characters, Themes, Style, Historical Context, Critical Overview, Criticism and Critical Essays, Media Adaptations, Topics for Further Study, Compare & Contrast, What Do I Read Next?, For Further Study, and Sources.

(c)1998-2002; (c)2002 by Gale. Gale is an imprint of The Gale Group, Inc., a division of Thomson Learning, Inc. Gale and Design and Thomson Learning are trademarks used herein under license.

The following sections, if they exist, are offprint from Beacham's Encyclopedia of Popular Fiction: "Social Concerns", "Thematic Overview", "Techniques", "Literary Precedents", "Key Questions", "Related Titles", "Adaptations", "Related Web Sites". (c)1994-2005, by Walton Beacham.

The following sections, if they exist, are offprint from Beacham's Guide to Literature for Young Adults: "About the Author", "Overview", "Setting", "Literary Qualities", "Social Sensitivity", "Topics for Discussion", "Ideas for Reports and Papers". (c)1994-2005, by Walton Beacham.

All other sections in this Literature Study Guide are owned and copyrighted by BookRags, Inc.



Contents

Mathematics Teacher Encyclopedia Article.....1

Contents.....2

Mathematics Teacher.....3

Mathematics Teacher

Beyond a bachelor's degree in mathematics, most future math teachers must train for secondary education by taking extra classes and student teaching, which adds an additional year of college. In most states, teachers are required to pass a test in education and an examination in mathematics in order to receive a teaching certificate. After receiving a job, a teacher may be required to obtain a master's degree, be evaluated annually by the principal, and complete several hours of continuing education.

A math teacher's primary tasks are to present the topics of a math course in a manner that can be understood by all students, is useful in everyday life, and will be applicable on the job. For example, a math teacher may explain how to compare the mean, or average, grades to assess the progress of the entire class or the progress of a particular student. A teacher might use the mode to assess which topics need review by looking at the questions most frequently missed on a test.

In the 1988 movie *Stand and Deliver,* Edward James Olmos portrayed real-life math teacher Jaime Escalante, who motivated his students to study calculus.

One issue concerning math teachers is their high demand compared to their low pay. Schools districts need to balance limited financial resources and the educational needs of students. To address this issue, some states and districts offer signing bonuses, stipends for math teachers, and tax-free salaries. Although some math teachers leave the profession for higher-paying jobs, those who dedicate their careers to teaching mathematics know that they are playing an extremely important role in the education of future generations.

Bibliography

Moffatt, Courtney W., and Thomas L. Moffatt. *How to Get a Teaching Job.* Boston: Allyn and Bacon, 2000.

Internet Resources

American Mathematical Society. *Careers in Math.* <http://www.ams.org/employment/careers-brochure.html>.