



## *Muslim Academy of Greater Orlando*

### **Eighth Grade**

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| <b>Math</b>                  | Our eighth grade accelerated math course utilizes the McGraw Hill's Glencoe Algebra 1 Curriculum Program. Students explore mastering the Math Florida Standards (MAFS) utilizing a range of lesson resources and technology tools including virtual manipulatives, short videos, and algebra labs. Students explore linear equations and functions, exponents and exponential functions, quadratic expressions and equations, rational functions and equations, and statistics and probability.   |
| <b>Science</b>               | Eighth grade students explore science through the McGraw Hill's Glencoe Program where they learn about science through rich texts, labs, mini-labs, and skill practice. Instruction is planned using the Next Generation Sunshine State Standards. Supplemental web-based materials, such as interactive tutorials and videos from CPALMS, are also used to emphasize and bridge content within science units. Our eighth graders dive into units on the practice of science, the role of theories, laws, hypotheses, & models, Earth in space and time, and matter & energy transformations. Our eighth graders look forward to learning science concepts with technology, visuals, and inquiry.   |
| <b>English Language Arts</b> | Students explore the world of English Language Arts through the Holt McDougal Literature series. Instruction centers on the Language Arts Florida Standards (LAFS) and students read and analyze a range of informational and literary texts as they work through ten units of study. Our middle school students engage in close reading and respond to text-based questions and tasks. Students also learn to become better writers as they write over extended and shorter time frames for a range of purposes and audiences. Students enjoy broadening their perspectives and sharpening their analytical skills to become thoughtful readers, writers, and speakers.  |
| <b>Social Studies</b>        | Students in eighth grade learn history through the Holt McDougal "United States History" program. The curriculum encourages students to learn about history as an active reader, identifying reading skills and strategies that assist students with understanding social studies. Writing in the area of Social Studies is integrated to allow students to demonstrate their learning. Students learn about American History by researching and analyzing primary source documents. Eighth graders explore units on the thirteen colonies and the American Revolution. Students also examine geographic tools to analyze changes in population and learn about functions of a national economy. Students gain a firm understanding of methods of active participation in government and political systems. |