



I. Course Proficiency Purpose:

The purpose of this study guide is to aid the students who wish to take the proficiency assessment for the credit flex option. Items that the student will be required to know for proficiency will be administered in a two-hour written exam.

II. Description of the Assessment Format:

The Written Assessment consists of:

- 90 multiple choice questions (worth 1 point each)
- 10 constructed response (worth a total of 36 points)

A non-graphing calculator may be used for the entire assessment, however it cannot be a personal device such as a cell phone or iPad. You may use extra paper or grid paper but will need to bring your own. No reference sheet will be provided or is allowed for this assessment.

III. Proficiency Content:

The content of this exam comes from the HCSD Algebra 1 Curriculum and [Learning Targets](#). Below are the units for this course and the percentage of the exam represented in each unit.

Unit 1: Representing Relationships Mathematically	(12%)
Unit 2: Understanding Functions	(7%)
Unit 3: Graphing Linear Functions & Inequalities	(12%)
Unit 4: Writing Linear Functions & Inequalities	(12%)
Unit 5: Systems of Equations & Inequalities	(14%)
Unit 6: Polynomial Expressions & Equations	(14%)
Unit 7: Graphing Quadratic Functions	(14%)
Unit 8: Solving Quadratic Equations	(14%)
Unit 9: Exponential Functions	(11%)
Unit 10: Statistical Models	(10%)
Unit 11: Connecting Algebra to Geometry	(0%)

A detailed description of each math standard found in the [HCSD Algebra 1 Learning Targets](#) can be found on Ohio Department of Education's website. Use the QR Code to the right for quick access to these standards.



IV. Suggested Resources:

- iBooks for each unit for this course can be found in the Hilliard Online Textbook Canvas Course (both the pdf and iBook version)
- <https://www.khanacademy.org/math/algebra>