

**Course Abstract**  
**Northwest Local School District**

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This abstract must be submitted to the Executive Director of Curriculum/Director of Instructional Accountability by October 15 for new courses being considered for the next school year. All required information must be completed. Prior to submission to the Curriculum Office the building leadership team, guidance staff and principal should approve the course. Please see the attached flow chart for specific information for course approval.

Name of course: Algebra I Honors

Department: Mathematics Grade level(s): 9 School: Colerain High School

Name of teacher submitting course: Erin Kenney-Levin

Who was involved in the development of this course? Kari Vaughn, Greg Weaver, Megan Nairne, Erin Kenney-Levin

Suggested weight of class if applicable ( ) General ( ) Advanced (X) Honors

Certification/licensure required to teach class: Mathematics 4-9 or Mathematics 7-12

**Summary of course (such as suitable for inclusion in the Course Description Book):**

This required High School course focuses on attaining deep understanding of Mathematics in the areas of number sense and operations, measurement, patterns, functions and algebra, and data analysis and probability. Technology Integration is essential in this class and can be obtained using the Desmos website or app on the district provided Chromebook. This course is aligned with a required State End of Course Exam which counts toward a student's cumulative graduation points.

**Rationale for including this course in the selections provided at your school:**

We have students that are ready for Honors Mathematics starting at the Algebra I course level. These students can be advanced as 7th graders and taking Algebra I Honors in the 8th grade year or students that have taken 8th grade Math, excelled, and are ready for a more rigorous mathematics course.

When we start to offer this course in the High School Curriculum, we need to offer it at the Middle School as well. Any 8th grade student taking Algebra will take Honors Algebra. I propose that in the 24-25 Freshman Class, that any student who comes in with Algebra 1 already, we take that course as an Honors course. This will place all Freshman equally with regards to GPA.

**Why this course is being brought forward? What is the target audience? What need does this course fulfill?**

We have students that are ready for Honors Mathematics starting in the Algebra I course. These students can be advanced as 7th graders and taking Algebra I Honors in the 8th grade year or students that have taken 8th grade Math, excelled, and are ready for a more rigorous mathematics course.

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**Does this course complement/advance courses that are currently being offered and how or does it replace a currently offered course and why?**

This course does not replace a course being offered, but it will take students out of Algebra I and put them in Algebra I Honors. This course will push our top level students to the most rigorous course that can be offered to an Algebra I student.

**Student learning outcomes: Specifically, what will students know and be able to do at the end of this class? Please identify the specific Ohio Academic Content Standards to be covered.**

Students will master all of the Algebra I Ohio Academic Content Standards. This course will move at a faster pace than the current Algebra I course and allow students to dive deeper into the content.

**Collaborative activities and departments involved (if any): Please include a description of how this collaboration will affect the teaching duties of other staff members.**

This course will replace Algebra 1 at the middle schools and only offer Algebra 1 Honors, the teacher will not change. At the high schools, this course will be taught by one of current Algebra 1 Teachers.

**How will student achievement be assessed?**

Algebra 1 End of Course Exam

**Prerequisites:**

A or B in the 7th grade year or A or B in the 8th grade year.

**Textbook recommendation(s): Please include names of books, ISBN numbers and copyright dates**

Illustrative Mathematics Algebra 1

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**Facility (classroom, computer lab, lab) and technology (software and hardware) needed for course implementation:**

Classroom and students will need a computer.

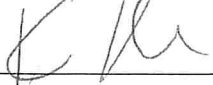
**Budget for class (include all materials and supplies needed for course implementation with cost)**

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No additional funds should be needed.


Sign-offs

I believe this class will fill a need for students in our department.

 \_\_\_\_\_ Date 11/15/23  
Signature of department chairperson CHS

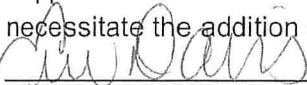
 \_\_\_\_\_ Date 11/15/23  
Signature of department chairperson NWHS

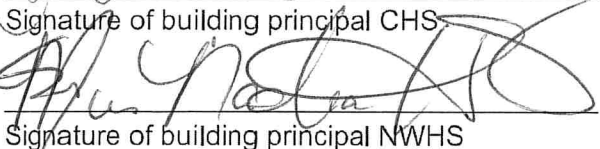
This course will fill a need for students in this grade level/department and will not negatively affect current course offerings. I also believe there will be student interest in this course.

 \_\_\_\_\_ Date 11/15/23  
Signature of guidance dept. Chairperson CHS

 \_\_\_\_\_ Date 11/15/23  
Signature of guidance dept. Chairperson NWHS

I approve the addition of this course in my building. The offering of this course will not necessitate the addition of any staff and can be housed in the current facilities available.

 \_\_\_\_\_ Date 11/15/23  
Signature of building principal CHS

 \_\_\_\_\_ Date 11/15/23  
Signature of building principal NWHS