

## CTYOnline Guidelines for Credit & Placement

The CTYOnline staff is familiar with traditional course offerings in American elementary and secondary schools, and the recommendations below are based on this knowledge. These are, however, only recommendations, and local schools may wish to review course content in the context of their own curricula before making decisions. For this purpose, each CTYOnline course description on the web is linked to Detailed Course Information.

Although CTY is an accredited institution,\* only the student's school can grant credit or placement. While CTY does not grant credit or guarantee advanced standing for its courses, we do urge schools to consider granting credit or placement for appropriate courses.

CTYOnline courses are designed to cover all the materials presented in standard pre-college and college curricula. All our courses provide an in-depth rigorous foundation as well as a lateral strengthening of knowledge. Many courses have quizzes and tests, as well as mid-term and comprehensive final examinations. Students who complete writing and language arts courses receive periodic feedback and a detailed final evaluation instead of grades, but grades can be given upon request.

\* **The Center for Talented Youth is accredited for grades 5 through 12 by the Commission on Secondary Schools of the Middle States Association of Colleges and Schools, 3624 Market Street, Philadelphia, PA 19104, 215-662-5603.**

### Mathematics

**Core Curriculum courses:** Each course is designed to give students a rigorous foundation in mathematics. The strand-based curriculum emphasizes material on sets, logic, probability, arithmetic, fractions, decimals, geometry, measurement, graphs, and equations. Progress is tracked independently in each strand. As students master concepts they are moved more rapidly through the material, while strands needing more explanation or practice are given additional exercises.

**Enrichment Courses:** These courses sharpen investigative skills, broaden mathematical understanding of concepts, and enhance reasoning skills. Designed around performance objectives that reflect national and state mathematical standards, these courses demonstrate how mathematical issues arise out of real-life situations.

**Honors Math Program:** The program begins with Honors Pre-algebra and extends through college-level courses. It incorporates dynamic explanations that use graphics, animation, video, and real-time feedback. Students use online math tools to expand their knowledge and explore mathematical ideas. They practice concepts by solving real-world problems and taking online quizzes and unit exams.

Course Title	Recommended School Credit after Completion	Recommended Placement after Completion
Grade 1 Math Grade 2 Math Grade 3 Math Grade 4 Math Grade 5 Math Grade 6 Math	not applicable	2 <sup>nd</sup> Grade math 3 <sup>rd</sup> Grade math 4 <sup>th</sup> Grade math 5 <sup>th</sup> Grade math 6 <sup>th</sup> Grade math Honors Pre-algebra
MATHCOUNTS©	not applicable	
Math Olympiad for Elementary and Middle School Students	not applicable	
Problem Solving 1-4	not applicable	Next course in school's math sequence

Honors Pre-algebra	not applicable	Next course in school's math sequence (Honors Algebra I)
Competitive Math for High School Students	not applicable	
Honors Algebra I	1.0 credit	Next course in school's math sequence (Honors Geometry or Honors Algebra II)
Honors Geometry	1.0 credit	Next course in school's math sequence (Honors Algebra II)
Honors Algebra II	1.0 credit	Next course in school's math sequence (Honors Geometry, Honors Precalculus with Trigonometry, Honors Trigonometry, Discrete Math, etc.)
Honors Trigonometry	0.5 credit	Honors Precalculus with Trigonometry
Honors Precalculus with Trigonometry	1.0 credit	AP Calculus AB or AP Calculus BC
AP Calculus AB	1.0 credit	AP Calculus BC
AP Calculus BC	1.0 credit	Linear Algebra
Linear Algebra	1.0 credit	Multivariable Calculus
Multivariable Calculus	1.0 credit	

## Science

In these courses, students interested in scientific inquiry, problem solving, and critical thinking are engaged through a vibrant online environment with graphics, animations, video, real-time feedback, activities, projects, and tests.

Course Title	Recommended School Credit after Completion	Recommended Placement after Completion
Life Science	0.5 credit	Next science course
Physical Science	0.5 credit	Next science course
Earth and Space Science	0.5 credit	Next science course
Honors Biology	1.0 credit	Honors Chemistry or AP Biology
Honors Chemistry	1.0 credit	Honors Biology or AP Chemistry

## Computer Science

In addition to the work that students do within the course software, students enrolled in computer science courses are expected to write a significant number of programs that they submit electronically to instructors for evaluation. These courses provide a hands-on, in-depth, programming-intensive introduction to computer science and programming.

Course Title	Recommended School Credit after Completion	Recommended Placement after Completion
Scratch Programming	0.5 credit	Introduction to Web Design
Introduction to Web Design	0.5 credit	JavaScript
JavaScript	0.5 credit	
Computer Security Fundamentals	0.5 credit	
Introduction to Java	0.5 credit	Advanced Java Programming
Advanced Java Programming	0.5 credit	

## Advanced Placement (AP)

CTY*Online* AP courses follow the curriculum guidelines outlined by the College Board subject course descriptions ([www.collegeboard.com/apcentral](http://www.collegeboard.com/apcentral)) and have been approved by the College Board. They are taught at a first-year college level and are designed to prepare students for the College Board's AP exam in the subject area.

AP Course Title	Recommended School Credit after Completion	Recommended Placement after Completion
AP Biology	1.0 credit	Next AP Course
AP Calculus AB	1.0 credit	AP Calculus BC
AP Calculus BC	1.0 credit	Linear Algebra
AP Chemistry	1.0 credit	Next AP Course
AP Language and Composition	1.0 credit	Next AP Course
AP Macroeconomics	1.0 credit	Next AP Course
AP Microeconomics	1.0 credit	Next AP Course
AP Physics B	1.0 credit	Next AP Course
AP Psychology	1.0 credit	Next AP Course
AP US Government and Politics	1.0 credit	Next AP Course
AP US History	1.0 credit	Next AP Course

## Writing

Most regular school English classes are literature-based reading courses. *CTYOnline* offers above-grade-level instruction in writing and language arts. Schools granting credit and/or placement generally allow a *CTYOnline* writing course to replace, at the least, a one-semester high school writing course. Beginning with *Crafting the Essay*, the challenge level for Writing Series courses is college freshman and above. Writing students receive periodic feedback and detailed descriptive final evaluations rather than grades, but a grade can be provided on written request.

Course Title	Recommended School Credit after Completion	Placement Recommendation
<i>The Process of Writing</i>	0.5 credit	Review of student portfolio and instructor's final evaluation. **
<i>Writing for an Audience</i>	0.5 credit	Review of student portfolio and instructor's final evaluation. **
<i>Crafting the Essay</i>	0.5 credit	Review of student portfolio and instructor's final evaluation. **
<i>Writing Analysis &amp; Persuasion</i>	0.5 credit	Review of student portfolio and instructor's final evaluation. **
<i>Crafting Poetry or Crafting Fiction</i>	0.5 credit	High school placement probably not an issue. **

**\*\* Students who have succeeded in a *CTYOnline* course have demonstrated success handling advanced or above-grade-level material and should do well in honors courses and programs. In classes using differentiated instruction, *CTYOnline* students should be assigned to groups that are given above-grade-level content and assignments. *CTYOnline* provides guidance to schools in making individual decisions.**

## Language Arts

The challenge level of these grammar and critical reading courses varies. Generally, credit is not an issue for elementary school students. However, schools should place these courses on the school transcript. To aid differentiated instruction, some schools use these courses to supplement or replace part of their regular language arts courses. Language arts students receive periodic feedback and detailed descriptive final evaluations rather than grades, but a grade can be provided on written request.

Course Title	Recommended School Credit after Completion	Placement Recommendation	Challenge Level
Young Readers' Series for Grades 2 & 3	Supplements or replaces part of a language arts course.	Review of student portfolio and instructor's final evaluation. **	Grade 5 and above
Young Readers' Series for Grades 4 & 5	Supplements or replaces part of a language arts course.	Review of student portfolio and instructor's final evaluation. **	Middle School
Language Rules: <i>Building Blocks</i>	Supplements or replaces part of a language arts course.	Review of student portfolio and instructor's final evaluation.**	Middle School
Language Rules: <i>From Structure to Style</i>	0.25 credit	Review of student portfolio and instructor's final evaluation. **	College Undergraduate

Art Meets Science: <i>Literature</i> or <i>Nonfiction</i>	0.25 credit	Review of student portfolio and instructor's final evaluation. **	High School Junior
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**\*\* Students who have succeeded in a CTYOnline course have demonstrated success handling advanced or above-grade-level material and should do well in very advanced programs. In classes using differentiated instruction, CTYOnline students should be assigned to groups that are given above-grade-level content and assignments. CTYOnline provides guidance to schools in making individual decisions.**

### Music Courses:

Course Title	Grade Levels	Recommended School Credit After Completion
<i>Music Theory I: Mastering the Fundamentals of Music</i>	Grades 5-8	Not applicable

### Foreign Languages

CTYOnline offers above-grade-level instruction in **Chinese, Arabic, and Spanish**. We emphasize the four essential communication skills – listening, speaking, reading, and writing. Schools granting credit and/or placement generally allow a CTYOnline course to replace, at the least, a one-semester high school foreign language course.

Course Title	Recommended School Credit after Completion	Placement Recommendation
<b>Chinese for Elementary Students, <i>Basic</i></b>		
Part I	not applicable †	Chinese for Elementary Students, Basic, Part II
Part II	not applicable †	Chinese for Elementary Students, Intermediate, Part I
<b>Chinese for Elementary Students, <i>Intermediate</i></b>		
Part I	0.5 credit †	Chinese for Elementary Students, Intermediate, Part II
Part II	0.5 credit †	Chinese for Elementary Students, Intermediate, Part III
Part III	0.5 credit †	Chinese for Elementary Students, Intermediate, Part IV
Part IV	0.5 credit †	Placement tested for next level
<b>Chinese Language, <i>Basic</i></b>		
Part I	1.0 credit	Chinese Language, Basic, Part II
Part II	0.5 credit	Chinese Language, Basic, Part III
Part III	0.5 credit	Chinese Language, Intermediate, Part I

<b>Chinese Writing</b>		
Chinese Character Writing	Not applicable	Chinese Language, Basic, Part II
<b>Chinese Language, <i>Intermediate</i></b>		
Part I	0.5 credit	Chinese Language, Intermediate, Part II
Part II	0.5 credit	Chinese Language, Intermediate, Part III
Part III	0.5 credit	Chinese Language, Intermediate, Part IV
Part IV	0.5 credit	Chinese Language, Advanced, Part I
<b>Chinese Language, <i>Advanced</i></b>		
Part I	0.5 credit	Chinese Language, Advanced, Part II
Part II	0.5 credit	Chinese Language, Advanced, Part III
Part III	0.5 credit	Chinese Language, Advanced, Part IV
Part IV	0.5 credit	
<b>Course Title</b>	<b>Recommended School Credit after Completion</b>	<b>Placement Recommendation</b>
<b>Arabic for Elementary Students</b>		
Part I	0.5 credit †	Placement tested for next level
<b>Arabic Language, <i>Basic</i></b>		
Part I	0.5 credit	Arabic Language, Basic II
Part II	0.5 credit	Arabic Language, Basic III
Part III	0.5 credit	Placement tested for next level
<b>Arabic Language, <i>Intermediate</i></b>		
Part I	0.5 credit	Arabic Language, Part II
Part II	0.5 credit	Arabic Language, Part III
Part III	0.5 credit	
<b>Course Title</b>	<b>Recommended School Credit after Completion</b>	<b>Placement Recommendation</b>
<b>Spanish for Elementary Students, <i>Basic</i></b>		
Part I	0.5 credit †	Spanish for Elementary Students, Basic II
Part II	0.5 credit †	Placement tested for next level
<b>Spanish Language, <i>Basic</i></b>		
Part I	0.5 credit	

† 0.5 credit for Elementary Chinese, Arabic, and Spanish Students is only recommended for students in grade 6 and above.

## Official Academic Record

Students who participate in CTY programs, including Talent Search, Summer Programs, CTY*Online*, or others are eligible to request a CTY Official Academic Record. This document shows all the academic courses the student has completed, with grades if applicable, and also lists other types of participation and achievements. Students may wish to include a CTY Official Academic Record with their applications to schools and colleges. There is a nominal charge for the Official Academic Record, which can be ordered by logging into MyCTY and selecting "Student Participation."

The unofficial academic record, a list of the same activities, can also be accessed through the student's MyCTY account, under "Student Participation."