

## Guidelines for Credit & Placement

The CTY*Online* distance education 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 CTY*Online* course description on the Web has a link 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.

CTY*Online* is designed to cover all the materials presented in standard pre-college and college courses. All our courses provide an in-depth rigorous foundation as well as a lateral strengthening of knowledge. Each course has its own set of quizzes and tests, as well as a mid-term and final exam that encompass the entire curriculum.

### Math Individually Paced Courses:

**Core Curriculum courses:** Each course is designed to give students a rigorous foundation in mathematics. Progress is tracked independently in each strand: Integers, Fractions, Logic and Reasoning, Measurement, Geometry, Data/Statistics/Probability. This strand-based curriculum includes addition, subtraction, multiplication, division, fractions, decimals, number concepts, equations, word problems, geometry, measurement, probability, statistics, graphs, functions, logic, and set theory. 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.

**CTY*Online* 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 tests as well as midterm and final exams.

\* The Center for Talented Youth is accredited for grades 5 through 12 by the Commission on Secondary Schools of the Middle States Association of College and Schools, 36524 Market Street, Philadelphia, PA 19104, 215-662-5603.

| Math Courses   | Recommended School Credit after Completion | Recommended Placement after Completion   |
|--|--|--|
| Grade 1 Math<br>Grade 2 Math<br>Grade 3 Math<br>Grade 4 Math<br>Grade 5 Math<br>Grade 6 Math | not applicable                             | 2nd Grade math<br>3rd Grade math<br>4th Grade math<br>5th Grade math<br>6th Grade math<br>Honors Pre-algebra |
| MATHCOUNTS®  | not applicable                             | Next course in school's math sequence  |

|   |                |   |
|---|----------------|---|
| Math Olympiad for Elementary and Middle School Students | not applicable | Next course in school's math sequence   |
| 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)  |
| 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  | 0.5 credit     | Multivariable Calculus  |
| Multivariable Calculus                                  | 0.5 credit     | Next math course  |

### Science Individually Paced Courses:

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.

| Science Courses  | Recommended School Credit after Completion | Recommended Placement after Completion |
|------------------|--|--|
| Earth Science    | 0.5 credit                                 | Next science course                    |
| Physical Science | 0.5 credit                                 | Next science course                    |
| Life Science     | 0.5 credit                                 | Next science course                    |
| Honors Biology   | 1.0 credit                                 | AP Biology                             |
| Honors Chemistry | 1.0 credit                                 | AP Chemistry                           |

## Computer Science Individually Paced Courses:

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 the C programming language. No prior programming experience is assumed.

| Computer Science Courses                     | Recommended School Credit after Completion | Recommended Placement after Completion       |
|--|--|--|
| Introduction to C Programming                | 0.5 credit                                 | Programming in C: Algorithms and Techniques  |
| Programming in C: Algorithms and Techniques  | 0.5 credit                                 | Compound Data Types and Advanced Topics in C |
| Compound Data Types and Advanced Topics in C | 0.5 credit                                 | Introduction to Java                         |
| Introduction to Java                         | 0.5 credit                                 | High School Placement                        |

## Advanced Placement (AP) Session-Based Courses:

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 Level Courses       | 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                                 | Multivariable Calculus or 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 Series Session-Based Courses:

Most regular school English classes are literature-based reading courses. CTY's Writing Series offers above-grade-level instruction in writing. Schools granting credit and/or placement generally allow a Writing Series 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 Series                                       | Recommended School Credit after Completion | Placement Recommendation  |
|--|--|---|
| Level 1:<br><i>The Process of Writing</i>            | 0.5 credit                                 | Review of student portfolio and instructor's final evaluation. See note below** |
| Level 2:<br><i>Writing for an Audience</i>           | 0.5 credit                                 | Review of student portfolio and instructor's final evaluation. See note below** |
| Level 3:<br><i>Crafting the Essay</i>                | 0.5 credit                                 | Review of student portfolio and instructor's final evaluation. See note below** |
| Level 3:<br><i>Crafting the Essay Bilingual</i>      | 0.5 credit                                 | Review of student portfolio and instructor's final evaluation. See note below** |
| Level 4:<br><i>Writing Analysis &amp; Persuasion</i> | 0.5 credit                                 | Review of student portfolio and instructor's final evaluation. See note below** |
| Level 5A or 5B:<br><i>Crafting Poetry or Fiction</i> | 0.5 credit                                 | High school placement probably not an issue**                                   |

## Language Arts Session-Based Courses:

The challenge level of these 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 Short Courses                       | Recommended School Credit after Completion              | Placement Recommendation  | Challenge Level       |
|---|---|---|-----------------------|
| Younger Readers' Series                           | Supplements or replaces part of a language arts course. | Review of student portfolio and instructor's final evaluation. See note below** | Grade 5 and above     |
| Young Readers' Series                             | Supplements or replaces part of a language arts course. | Review of student portfolio and instructor's final evaluation. See note below** | Middle School         |
| Language Rules:<br><i>Building Blocks</i>         | Supplements or replaces part of a language arts course. | Review of student portfolio and instructor's final evaluation. See note below** | Middle school         |
| Language Rules:<br><i>From Structure to Style</i> | 0.25 credit   | Review of student portfolio and instructor's final evaluation. See note below** | College Undergraduate |
| Art Meets Science:<br><i>Literature</i>           | 0.25 credit   | Review of student portfolio and instructor's final evaluation. See note below** | High School Junior    |
| Art Meets Science:<br><i>Nonfiction</i>           | 0.25 credit   | Review of student portfolio and instructor's final evaluation. See note below** | High School Junior    |

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

**Music:**

| Music   | Grade Levels | Recommended School Credit after Completion |
|---|--------------|--|
| Music Theory I: Mastering Fundamentals of Music | Grades 5 - 8 | N/A  |

**Chinese Session-Based Courses:**

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

| Chinese Course Level                                 | Recommended School Credit after Completion | Placement Recommendation                                |
|--|--|---|
| <b>Chinese for Elementary Students, Beginning</b>    |  |   |
| Part I   | not applicable                             | Chinese for Elementary Students, Part II                |
| Part II  | not applicable                             | Chinese for Elementary Students Intermediate, Part I    |
| <b>Chinese for Elementary Students, Intermediate</b> |  |   |
| Part I   | 0.5 credit <sup>†</sup>                    | Chinese for Elementary Students, Intermediate, Part II  |
| Part II  | 0.5 credit <sup>†</sup>                    | Chinese for Elementary Students, Intermediate, Part III |
| Part III   | 0.5 credit <sup>†</sup>                    | Chinese for Elementary Students, Intermediate, Part IV  |
| Part IV  | 0.5 credit <sup>†</sup>                    | Chinese for Elementary Students, Advanced, Part I       |
| <b>Chinese for Elementary Students, Advanced</b>     |  |   |
| Part I   | 0.5 credit <sup>†</sup>                    | Chinese for Elementary Students, Advanced Part II       |
| Part II  | 0.5 credit <sup>†</sup>                    | Placement tested for next level                         |
| <b>Beginning Chinese</b>                             |  |   |
| Part I   | 1.0 credit                                 | Beginning Chinese, Part II                              |
| Part II  | 0.5 credit                                 | Beginning Chinese, Part III                             |
| Part III   | 0.5 credit                                 | Placement tested for next level                         |
| <b>Intermediate Chinese</b>                          |  |   |
| Part I   | 0.5 credit                                 | Intermediate Chinese, Part II                           |
| Part II  | 0.5 credit                                 | Intermediate Chinese, Part III                          |
| Part III   | 0.5 credit                                 | Intermediate Chinese, Part IV                           |
| Part IV  | 0.5 credit                                 | Placement tested for next level                         |
| <b>Advanced Chinese</b>                              |  |   |
| Part I   | 0.5 credit                                 | Advanced Chinese, Part II                               |
| Part II  | 0.5 credit                                 | Advanced Chinese, Part III                              |
| Part III   | 0.5 credit                                 | Advanced Chinese, Part IV                               |
| Part IV  | 0.5 credit                                 | Placement tested for next level                         |

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

| Arabic Course Level          | Recommended School Credit after Completion | Placement Recommendation        |
|------------------------------|--|---------------------------------|
| <b>Arabic for Elementary</b> |  |                                 |
| Part I                       | 0.5 year <sup>†</sup>                      | Arabic Language, Part II        |
| <b>Arabic Language</b>       |  |                                 |
| Part I                       | 0.5 year                                   | Arabic Language, Part II        |
| Part II                      | 0.5 year                                   | Arabic Language, Part III       |
| Part III                     | 0.5 year                                   | Placement tested for next level |

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| Spanish Course Level          | Recommended School Credit after Completion | Placement Recommendation        |
|-------------------------------|--|---------------------------------|
| <b>Spanish for Elementary</b> |  |                                 |
| Part I                        | 0.5 year <sup>†</sup>                      | Spanish for Elementary, Part II |
| Part II                       | 0.5 year <sup>†</sup>                      | Placement tested for next level |

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

### CTY Official Academic Record

Students who participate in CTY programs, including Talent Search, Summer Programs, *CTYOnline*, 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.