Center for Talent Development

Online Courses
PreK - Grade 12
WINTER 2020-21

Winter Courses Now Enrolling
Options for Enrichment and Acceleration
Flexible Asynchronous and Live Online Programs Available
High School Honors and AP® Courses Available

NEW live programs!

CTD WEEKEND AT HOME
CTD ENCOUNTERS AT HOME
ONLINE LEADERSHIP INTENSIVE
Northwestern University’s Center for Talent Development’s online courses are designed specifically for students seeking opportunities to accelerate learning or explore fascinating subjects beyond regular school curriculum. CTD has been an innovative provider of distance and online learning for more than 35 years. Our students come from around the globe—over 46 different countries—and have the choice of more than 100 unique online enrichment and credit-bearing courses designed specifically with advanced learners in mind.

Students engaged in over 30,000 online course discussions, assignments, and assessments during the fall 2020 session!
Online courses at CTD come in a variety of different forms. Some are live online, during which students work collaboratively in real-time. Others are ‘asynchronous’ to fit the needs of students who want to set their own schedules. From enrichment to standards-aligned, credit-bearing courses, CTD’s expert instructors differentiate instruction, encourage discussion, and create a vibrant community of students from around the world. Registration is open for our Winter 2020-21 session. Visit ctd.northwestern.edu/onlineprograms. See you online!

The most important thing I have gained from this course is an open mind. CTD STUDENT
Online Family and Weekend at Home Programs

**Online Family Program**
PreK - Grade 5
4 weeks
Self-paced
Students and an adult care-giver enjoy fun, interdisciplinary topics based in play and exploration.
Instructors provide personalized feedback and a blend of guided “off-line” activities along with online opportunities to build community with other CTD families.

**CTD Weekend at Home**
Grades 3-12
6 weeks
Online, live sessions
Live online classes focus on high interest topics, and include collaborative group work and individual hands-on projects.
Instructors offer meaningful and personalized instruction in an interactive online classroom.

**CTD Encounters at Home**
Grades 3-8
1/2 day
Online, live sessions
A single, half-day live online session. This deep dive into high level content includes instructor-led demonstrations and hands-on exploration with like-minded peers.

EXPLORE EACH OF CTD’S SUBJECT AREAS

- **Arts and Humanities**
- **English and Language Arts**
- **Leadership and Service**
- **Mathematics**
- **Science**
- **Technology and Engineering**

Academic challenge was the best part of the class. It’s always great to see your child learn new things and to be challenged in a positive, friendly way.

**CTD PARENT**
Online Enrichment and Online Core Essentials Courses

Enrichment Courses
Grades 3-10
9 weeks
Flexibly paced

Flexibly paced enrichment courses allow students to explore topics beyond the core school curriculum and develop critical and creative thinking skills.

Instructors provide personalized guidance and facilitate high-level conversation and engaging at-home projects.

Core Essentials Courses
Grades 3-8
9 weeks
Flexibly paced with occasional optional live virtual sessions

Courses allow students access to advanced content, and provide a deep exploration of core subject areas like math, science, and English and language arts.

Core Essentials instructors design advanced, standards-aligned curriculum and provide students with individualized guidance, feedback, and support.

Take a peek inside CTD’s diverse online programs! View our video at ctd.northwestern.edu/onlineprograms

Now enrolling for Winter 2020!
For information, visit ctd.northwestern.edu/onlineprograms
Online Credit-bearing Courses

**Honors Courses**
Grades 6-12  
1 and 2 semester credit equivalents  
Flexibly paced

Courses are designed for motivated students to move through flexibly paced course content with continuous guidance and feedback from the instructor.

Honors courses also provide opportunities for qualified advanced middle school students to accelerate academically through early access to high school honors-level courses.

**Advanced Placement® Courses**
Grades 9-12  
1 and 2 semester credit equivalents  
Flexibly paced

Engaging college-level courses prepare students for University coursework and stand out on student transcripts.

All courses are authorized by the College Board aligned with the latest AP® course and exam frameworks and led by AP® Institute-trained faculty.

**New! Leadership Intensive Courses**

**Grades 7-10**  
6 weeks  
**Weekly live online class meetings**

Build your leadership skills and capacity through hands-on learning in an online classroom community.

Courses explore interdisciplinary topics related to leadership theory and practice.

I loved being able to meet new people and understand their definitions of leadership.

**LEADERSHIP INTENSIVE ALUM**
<table>
<thead>
<tr>
<th>Grade</th>
<th>Course</th>
<th>Course Type</th>
<th>Duration/Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>K-1</td>
<td>Probability: The Math of Maybe</td>
<td>Online Family Program</td>
<td>4 weeks</td>
</tr>
<tr>
<td>2-3</td>
<td>Music, Math, and Composition</td>
<td>Online Family Program</td>
<td>4 weeks</td>
</tr>
<tr>
<td>3-4</td>
<td>Boats: Physics, and Engineering</td>
<td>CTD Encounters at Home</td>
<td>1/2 day</td>
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<tr>
<td>3-4</td>
<td>The Physics of Simple Machines, Marble Runs and Chain Reactions</td>
<td>Weekend at Home</td>
<td>6 weeks</td>
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<tr>
<td>3-5</td>
<td>Discovering Paleontology: Fossils and Dinosaurs</td>
<td>Online Enrichment</td>
<td>9 weeks</td>
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<tr>
<td>3-5</td>
<td>Advanced Grammar</td>
<td>Online Core Essentials</td>
<td>9 weeks</td>
</tr>
<tr>
<td>4-5</td>
<td>Digital Architects</td>
<td>Online Family Program</td>
<td>4 weeks</td>
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<tr>
<td>5-6</td>
<td>Biomimicry: Nature, Adaptations and Engineering Design</td>
<td>Weekend at Home</td>
<td>6 weeks</td>
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<tr>
<td>6-8</td>
<td>Introduction to Chinese</td>
<td>Online Enrichment</td>
<td>9 weeks</td>
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<tr>
<td>6-8</td>
<td>Astrobiology</td>
<td>Online Enrichment</td>
<td>9 weeks</td>
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<tr>
<td>7-8</td>
<td>Computational Modeling: Understanding the World Around Us</td>
<td>CTD Encounters at Home</td>
<td>1/2 day</td>
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<tr>
<td>7-8</td>
<td>Digital Music: Composition Workshop</td>
<td>Weekend at Home</td>
<td>6 weeks</td>
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<tr>
<td>7-9</td>
<td>Introduction to Global Studies</td>
<td>Online Core Essentials</td>
<td>9 weeks</td>
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<tr>
<td>6-12</td>
<td>Physics Honors</td>
<td>Honors Courses</td>
<td>2 credits</td>
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<tr>
<td>6-12</td>
<td>World Literature Honors</td>
<td>Honors Courses</td>
<td>2 credits</td>
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<tr>
<td>7-10</td>
<td>Leadership for Today</td>
<td>Leadership Intensive</td>
<td>6 weeks</td>
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<tr>
<td>9-12</td>
<td>AP® Physics C: Electricity and Magnetism</td>
<td>AP® Courses</td>
<td>1 credit</td>
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<tr>
<td>9-12</td>
<td>AP® World History: Modern</td>
<td>AP® Courses</td>
<td>2 credits</td>
</tr>
<tr>
<td>9-12</td>
<td>Mathematical Modeling Workshop</td>
<td>Weekend at Home</td>
<td>6 weeks</td>
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