

# Summer Enrichment Online Courses with



All of our lives have been disrupted due to COVID-19. While these changes range from inconvenient to devastating, WorldWise Tutoring hopes to provide a positive escape via learning. Rather than dwelling on what *didn't* happen as a result of closures, we would like to offer students the opportunity to focus on what they *were* able to do with their free time.

Potential benefits of enrolling your child in WorldWise Tutoring's Summer Enrichment Courses:

- Allows your child to explore personal topics of interest in a structured way
- Allows your child to deep dive into new skills, stepping outside of his/her comfort zone without the looming fear of failure
- Fosters your child's creativity, free of judgment
- Engages and motivates your child to enjoy learning again, facilitating his/her personal growth and self-confidence
- Reinforces independence and empowerment in your child through meaningful homework and projects that your child can be proud of
- Covers unique content not often taught in school
- Provides your child with much needed social interaction
- Helps improve your child's communication techniques to use in peer, parent, and teacher relationships
- Provides your child with opportunities to learn how to collaborate more effectively
- Offers the opportunity for your child to network with others who have similar interests, perhaps forming new long-term friendships
- Final Project and Certificate help your child's resume/application to stand out
- Helps prevent "summer learning loss" by keeping your child's mind active without feeling drained by intense content
- Gives you some guilt-free time to yourself!

The following pages provide descriptions of the 11 Summer Enrichment Courses we are offering in through the rest of the summer. Some things to keep in mind:

**Materials Needed:** *In addition to a device with internet, this is what the student will need that is not included in the Total Cost. Please let us know if you need help finding any materials.*

**Schedule:** *This is the time spent with the instructor during online lessons. The students will also have relevant assignments and a final project to complete independently between sessions for which they may message the instructor brief, direct questions as needed. For each 1 hour of live instruction, a student can expect 1-3 hours of independent work).* **NOTE: All times are CST**

**Suggested Ages:** *These are merely suggestions based on the content covered. You know your child and what he/she is capable of. For each course, students will be divided into smaller groups based on age and skill.*

Course Name	<b>GAMES &amp; ART</b> using Mathematics (with Charlotte)			
Topics Covered	Games: Chess/Set, Nim, Sudoku, Connect 4, 2048 Art: tessellations, 4-color theorem, string art, origami			
Class Style	casual; lecture mixed with discussion & exploration			
Materials Needed	pipe cleaners, glue, scissors, popsicle sticks, printer access			
Schedule	12 - 2p Fridays (7/24 – 8/14)	12 - 2p Mondays (7/20 - 8/10)	11a - 1p Wednesdays (7/22 - 8/12)	1 - 3p Tuesdays (7/21 - 8/11)
Total Cost	\$200	\$240	\$280	\$320
Suggested Ages	4-6	7-9	10-12	13-15

Course Name	<b>WORLD GEOGRAPHY</b> (with Seetha)	
Topics Covered	America, China, Mexico, and Europe: locations, physical components, greatest attributes, cultures, population data, scientific gains, & impacts on global agriculture & science	
Class Style	light learning; lecture & discussion	
Schedule	1:30 – 2:30p Tuesdays & Thursdays (7/21 – 8/13)	1:30 – 2:30p Mondays & Wednesdays (7/20 – 8/12)
Total Cost	\$320	\$360
Suggested Ages	14-16	17-19

Course Name	<b>PSYCHOLOGY</b> (with Khalid)	
Topics Covered	the brain, thought, Blooms Taxonomy, cognitive skills (humans vs. animals, learning vs. surviving, reasoning vs. instinct), mental health, behavior, decision-making	
Class Style	light learning; lecture & discussion	
Schedule	3 - 4p Tuesdays & Thursdays (7/21 – 8/13)	4:30 – 5:30p Tuesdays & Thursdays (7/21 – 8/13)
Total Cost	\$320	\$360
Suggested Ages	14-16	17-19

Course Name	<b>ROBOTICS</b> using Arduino C (with Zaid)				
Topics Covered	getting started with Arduino C, digital inputs & outputs, LEDs, simple robotics programming				
Class Style	serious; lecture, discussion, & interactive				
Materials Needed	LEDs 3mm, electrical resistors, bread board & wires, Arduino boards (approx. \$25)				
Schedule	12 - 1p Wednesdays & Fridays (7/22 – 8/14)	1:30 – 2:30p Wednesdays & Fridays (7/22 – 8/14)	3 - 4p Wednesdays & Fridays (7/22 – 8/14)	12 - 1p Tuesdays & Saturdays (7/21 – 8/15)	1:30 - 2:30p Tuesdays & Saturdays (7/21 – 8/15)
Total Cost	\$200	\$240	\$280	\$320	\$360
Suggested Ages	5-7	8-10	11-13	14-16	17-19

Course Name	<b>CODING: Machine Learning with Matlab</b> (with Vahid)	
Topics Covered	information-based learning, error-based learning, classification tree, deep learning, image processing	
Class Style	somewhat serious; lecture & interactive	
Materials Needed	Excel, Matlab	
Schedule	12 - 1:15p Mondays & Thursdays (7/20 - 8/20)	
Total Cost	\$500	
Suggested Ages	16-19	

Course Name	<b>Personal FINANCE</b> (with Seetha)	
Topics Covered	stocks, bonds, options, time value of money, savings, credit, loans, interest, taxes, real estate, uncertainty & risk, opportunity cost, Ponzi schemes & other scams	
Class Style	casual; lecture & interactive	
Schedule	11a – 12:30p Mondays (7/20 – 8/10)	1 – 2:30p Mondays (7/20 – 8/10)
Total Cost	\$240	\$270
Suggested Ages	14-16	17-19

Course Name	<b>ECONOMICS: Game Theory</b> (with Jorge)	
Topics Covered	Prisoner's dilemma (moneyball, chicken), tragedy of the commons (overfishing), collective action problem (global warming), repeated prisoner's dilemma, voting & auctions	
Class Style	light learning; lecture & interactive	
Schedule	11:30a - 1p Mondays & Thursdays (7/20 – 7/30)	1:30 - 3p Mondays & Thursdays (7/20 – 7/30)
Total Cost	\$240	\$270
Suggested Ages	14-16	17-19

Course Name	<b>HIGH SCHOOL PLACEMENT TESTS</b> (with Lindsey)	
Topics Covered	strategies & content for all sections of the HSPT/ISEE/SEHS	
Class Style	serious; lecture & discussion	
Materials Needed	printer access	
Schedule	1:30 - 3p Thursdays (7/23 – 8/27)	
Total Cost	\$360	
Suggested Ages	12-14	

Course Name	<b>COLLEGE PLACEMENT TESTS</b> (with Lindsey)	
Topics Covered	strategies & content for all sections of the ACT/SAT	
Class Style	serious; lecture & discussion	
Materials Needed	Princeton Review ACT and SAT books, printer access	
Schedule	3:30 – 5p Thursdays (7/16 – 8/20)	
Total Cost	\$405	
Suggested Ages	15-18	

Course Name	<b>COLLEGE PLANNING</b> (with Lindsey)	
Topics Covered	explore interests & preferences to narrow down majors & colleges; research, organize, & plan college (virtual) tours & applications; research, plan, & apply for additional volunteer, work, & learning opportunities to improve applications	
Class Style	serious; lecture & discussion	
Schedule	12 - 1p Tuesdays & Thursdays (7/21 – 8/13)	
Total Cost	\$360	
Suggested Ages	16-18	

Course Name	<b>COLLEGE APPLICATIONS: Essays and Resumes</b> (with Lindsey)	
Topics Covered	researching, organizing, brainstorming, planning, writing, & reviewing college essays & resumes	
Class Style	serious; lecture & discussion	
Schedule	12 - 1p Mondays & Wednesdays (7/27 – 8/12)	
Total Cost	\$360	
Suggested Ages	17-19	