

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
- Helps 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 23 Summer Enrichment Courses we are offering. 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.*

∞ CREATIVITY ∞

Course Name	ART: Tactile Constructions (with Charlotte)		
Topics Covered	Crochet: holding yarn and hook, slip knots, chains, basic stitches, working row by row to make scarf, working in the round to make hat, reading patterns Origami: mountain/valley folds, reading origami instructions, origami animals, origami toys, modular origami		
Class Style	light learning; discussion & interactive		
Materials Needed	yarn, a crochet hook, scissors, yarn needle, square sheets of paper		
Schedule	12 - 1:30p Tuesdays & Thursdays (7/7 – 8/13)	1:30 - 3p Tuesdays & Thursdays (7/7 – 8/13)	
Total Cost	\$540	\$630	
Suggested Ages	7-9 and 10-12	13-15 and 16-18	

Course Name	GAMES & ART using Mathematics (with Charlotte)			
Topics Covered	Games: Nim, Chess, Sudoku, Connect 4, 2048, Set Art: tessellations, 4-color theorem, string art, origami, pipe cleaner polyhedra			
Class Style	casual; lecture mixed with discussion & exploration			
Materials Needed	pipe cleaners, glue, scissors, popsicle sticks, printer access			
Schedule	12 - 2p Fridays (7/10 – 8/14)	12 - 2p Mondays (7/6 - 8/10)	11a - 1p Wednesdays (7/8 - 8/12)	1 - 3p Wednesdays (7/8 - 8/12)
Total Cost	\$240	\$300	\$360	\$420
Suggested Ages	4-6	7-9	10-12	13-15

∞ PERSONAL DEVELOPMENT ∞

Course Name	ACTING (with Kiba)		
Topics Covered	Monologues, on camera v stage, voiceover, improv, character development		
Class Style	casual; discussion & interactive		
Schedule	2 - 3:30p Tuesdays & Thursdays (6/30 – 7/23)	4 - 5:30p Tuesdays & Thursdays (6/30 – 7/23)	
Total Cost	\$420	\$480	
Suggested Ages	12-15	16-19	

Course Name	LEADERSHIP (with Michael)		
Topics Covered	characteristics/qualities of a leader, setting/achieving goals, teamwork		
Class Style	casual; some lecture, but mostly discussion and interactive		
Schedule	8 - 9p Mondays & Wednesdays (6/29 - 7/29)	8 - 9pm Tuesdays & Thursdays (6/30 - 7/30)	
Total Cost	\$350	\$400	
Suggested Ages	12-15	16-19	

∞ STEM ∞

Course Name	CODING: Python (with Mimi)	
Topics Covered	operations, variables, data types, strings, formatting & lists, conditional statements, loops, dictionaries, functions, modules	
Class Style	casual; interactive & exploratory	
Materials Needed	Python 3 (free)	
Schedule	10 – 11:30a Mondays & Wednesdays (6/29 – 7/22)	12 – 1:30p Mondays & Wednesdays (6/29 – 7/22)
Total Cost	\$420	\$480
Suggested Ages	12-15	16-19

Course Name	CODING: Java (with Austin)	
Topics Covered	basic computer programming syntax, variables, loops, strings, object, classes, conditionals	
Class Style	light learning; lecture & interactive	
Materials Need	BlueJ (free)	
Schedule	11 - 12:30p Tuesdays (6/30 – 8/4)	1 – 2:30p Tuesdays (6/30 – 8/4)
Total Cost	\$315	\$360
Suggested Ages	14-16	17-19

Course Name	CODING: Matlab (with Vahid)	
Topics Covered	variables, branches & loops, functions, 1-D arrays, 2-D and multi-dimensional arrays, images and plots, cell arrays & structures, strings	
Class Style	somewhat serious; lecture & interactive	
Materials Needed	Matlab	
Schedule	12 - 1:30p Mondays & Thursdays (6/15 - 7/16)	
Total Cost	\$400	
Suggested Ages	16-19	

Course Name	CODING: Machine Learning with Matlab (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	ROBOTICS 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. \$20)				
Schedule	4:30 - 5:30p Mondays & Wednesdays (6/29 - 7/22)	6 - 7p Mondays & Wednesdays (6/29 - 7/22)	4:30 - 5:30p Tuesdays & Thursdays (6/30 - 7/23)	6 - 7p Tuesdays & Thursdays (6/30 - 7/23)	7:30 - 8:30p Tuesdays & Thursdays (6/30 - 7/23)
Total Cost	\$180	\$220	\$260	\$300	\$340
Suggested Ages	5-7	8-10	11-13	14-16	17-19

∞ SOCIOLOGY ∞

Course Name	WORLD GEOGRAPHY (with Michael)	
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	11 - 12p Tuesdays & Thursdays (6/23 - 7/23)	12:30 - 1:30p Tuesdays & Thursdays (6/23 - 7/23)
Total Cost	\$375	\$425
Suggested Ages	14-16	17-19

Course Name	POLITICAL & SOCIAL THOUGHT (with Jorge)	
Topics Covered	cultural & historical significance of the works of Aristotle, Hobbes, & Marx; philosophical merits of justice, freedom, & liberty	
Class Style	serious; lecture & interactive	
Schedule	11a - 12:30p Tuesdays (6/23 – 7/14)	1 - 2:30p Tuesdays (6/23 – 7/14)
Total Cost	\$225	\$255
Suggested Ages	14-16	17-19

Course Name	PSYCHOLOGY (with Michael)	
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	12:30 - 1:30p Mondays & Wednesdays (6/22 - 7/22)	2 - 3p Mondays & Wednesdays (6/22 - 7/22)
Total Cost	\$375	\$425
Suggested Ages	14-16	17-19

∞ WRITING ∞

Course Name	ACADEMIC WRITING: Essay, Creative, Magazine (with Austin)	
Topics Covered	brainstorming, drafting, writing, editing	
Class Style	light learning; discussion & interactive	
Schedule	11a - 12:30p Mondays & Wednesdays (6/29 – 7/22)	1 - 2:30p Mondays & Wednesdays (6/29 – 7/22)
Total Cost	\$420	\$480
Suggested Ages	12-15	16-19

Course Name	CREATIVE WRITING: Fiction (with Tami)		
Topics Covered	finding ideas, how to know if you have a story to tell, hooking your reader, showing vs. telling, ending, sharing your work with others		
Class Style	casual; discussion & interactive		
Schedule	11a - 12p Tuesdays (6/23 – 7/21)	11a - 12p Thursdays (6/25 – 7/23)	1 - 2p Tuesdays (6/23 – 7/21)
Total Cost	\$200	\$220	\$240
Suggested Ages	10-12	13-15	16-19

∞ REAL-LIFE MATH ∞

Course Name	DATA ANALYTICS using Excel and Matlab (with Vahid)		
Topics Covered	data exploration (covariance & correlation), data preparation (normalization, binning, sampling), data analytics (variance, standard deviation, z-score, percentile, frequency, histogram)		
Class Style	somewhat serious; lecture & interactive		
Materials Needed	Excel, Matlab		
Schedule	2 - 3p Mondays & Thursdays (7/6 - 7/30)		
Total Cost	\$320		
Suggested Ages	16-19		

Course Name	Basic Personal FINANCE (with Jorge)		
Topics Covered	uncertainty & risk, stocks, bonds, options, the time value of money, Ponzi schemes, pyramid schemes, other forms of scams, real estate & other investment vehicles, taxes, credit & interest		
Class Style	light learning; lecture & interactive		
Schedule	11a – 12:30p Wednesdays (6/24 – 7/15)	1 – 2:30p Wednesdays (6/24 – 7/15)	3 – 4:30p Wednesdays (6/24 – 7/15)
Total Cost	\$195	\$225	\$255
Suggested Ages	11-13	14-16	17-19

Course Name	ECONOMICS : Game Theory (with Jorge)		
Topics Covered	Prisoner's dilemma (moneyball, chicken), tragedy of the commons (overfishing), collective action problem (global warming), game of Nim, games/prisoner's dilemma with imperfect information (Bayesian games)		
Class Style	light learning; lecture & interactive		
Schedule	11a - 12:30p Mondays (6/22 – 7/13)	1 - 2:30p Mondays (6/22 – 7/13)	
Total Cost	\$225	\$255	
Suggested Ages	14-16	17-19	

Course Name	STATISTICS in Sports (with Bee)		
Topics Covered	use sports data to learn: experimental vs observational studies, qualitative vs quantitative studies, independent vs dependent variable, data (types, understanding, graphical representation, distribution), probability (joint, union, conditional, permutations, combinations), measures of central tendency (mean, median, mode, standard deviation, variance, population vs sample, z-score		
Class Style	serious; lecture & discussion		
Schedule	1 - 2p Tuesdays & Thursdays (6/23 – 7/30)		
Total Cost	\$480		
Suggested Ages	17-19		

(more on next page)

∞ FOREIGN LANGUAGE ∞

Course Name	SPANISH (with Siri)	
Topics Covered	greetings, numbers, telling time, describing people, leisure activities, express like/dislike, classroom items, household items, family relationships, shopping	
Class Style	light learning; lecture & discussion	
Schedule	5 - 6p Mondays & Wednesdays (7/6 – 8/12)	5 - 6p Tuesdays & Thursdays (7/7 - 8/13)
Total Cost	\$420	\$480
Suggested Ages	12-14	15-18

∞ TEST PREP ∞

Course Name	HIGH SCHOOL PLACEMENT TESTS (with Lindsey)	
Topics Covered	strategies & content for all sections of the HSPT/ISEE/SEHS	
Class Style	serious; lecture & discussion	
Materials Needed	printer access	
Schedule	12 - 1:30p Thursdays (7/9 – 8/13)	
Total Cost	\$315	
Suggested Ages	12-14	

Course Name	COLLEGE PLACEMENT TESTS (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 - 5p Wednesdays (6/24 – 7/29)	
Total Cost	\$480	
Suggested Ages	15-18	

∞ COLLEGE PREP ∞

Course Name	COLLEGE PLANNING (with Lindsey)	
Topics Covered	explore interests and preferences to narrow down potential majors & colleges; then research, organize, & plan college (virtual) tours & applications; then research, plan, & apply for additional volunteer, work, and learning opportunities to improve applications to those majors at those colleges	
Class Style	serious; lecture & discussion	
Schedule	12 - 1p Mondays & Wednesdays (6/29 – 7/15)	
Total Cost	\$270	
Suggested Ages	16-18	

Course Name	COLLEGE APPLICATIONS: Essays and Resumes (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	