

# atdp

**UC Berkeley**  
Academic Talent  
Development Program

## ELEMENTARY DIVISION

for students completing  
grades K-6

**JULY 8 - JULY 26**

**2019**



**Berkeley**  
UNIVERSITY OF CALIFORNIA

# Welcome to ATDP

January 2019

OVER THE PAST 34 YEARS, students have come to our Elementary Division site each summer to pursue Human Anatomy, the Art and Science of Math, Rainforests, and so much more. Whether your family has a long tradition across generations at ATDP or whether you seek to join ATDP for the first time, welcome.

Over the decades, our mission has always remained the same: to enable all highly motivated and prepared students to pursue their academic passions through rigorous summer coursework in a community of like-minded peers. We offer courses appropriate to our students' needs, taught by outstanding public school, private school, and university instructors.

We also endeavor to learn more about academically talented students: how they develop, what they require in order to learn at their optimal pace and to their appropriate depth, and what factors support or impede their social development. Toward that goal, we sometimes ask our students and their families to participate in research studies and we solicit their insights and evaluations.

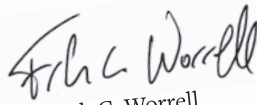
Our application process reflects our belief that students must be given the opportunity to present their strengths in a variety of ways. By requiring applicants to submit multiple indicators of their academic achievements, we are able to identify and admit a diverse group of the hardest-working, highest-achieving students. As you consider the wide range of classes offered in this year's catalog, we hope that you will find many that spark your interest.

Thank you for your interest in ATDP.

Sincerely,



Lisa Kala  
Program Director



Frank C. Worrell  
Faculty Director



## PROGRAM OBJECTIVES

- To offer students an educational opportunity commensurate with their need to know, think, and express
- To help our students think and understand deeply
- To encourage students to rise rapidly through levels of study, seeking and meeting educational challenges as they grow
- To promote continued development of able young scholars toward a full educational and social life

## LEARNER OUTCOMES

ATDP students will be able to...

- successfully complete rigorous and challenging coursework in a chosen discipline,
- pursue their academic passions and deep interests, and
- participate in an academic community of similarly motivated peers.

## Contacting ATDP

**EMAIL** atdpoffice@berkeley.edu

**WEB** atdp.berkeley.edu

**FACEBOOK** facebook.com/ucb.atdp

**PHONE** 510-642-8308 *iSe habla español!*

**FAX** 510-642-0510

**MAIL** University of California, Berkeley  
Academic Talent Development Program  
Graduate School of Education  
70 University Hall  
Berkeley, CA 94720-1160

*Or drop by our office between 9:30 and 5; we welcome visitors!*

*University Hall is located at 2199 Addison St. in Berkeley.*

**PROGRAM DATES**

June 8 to 26, 2019  
See back cover for important dates & deadlines

**WEEKLY SCHEDULE**

Monday, Tuesday, Thursday, Friday; all classes run the full three weeks

**DAILY SCHEDULE**

Morning classes: 8:30 a.m. to noon  
Afternoon classes: 1:00 to 4:30 p.m.

**LOCATION**

Washington Elementary School  
565 Wine Street  
Point Richmond, CA 94801

**FEES**

Application processing fee: \$50 (\$80 for international students)  
5-unit courses: \$650 - \$800  
10-unit courses: \$950 - \$1100

**DISCOUNTS**

Sibling discount: \$35 per sibling attending  
Limited need-based financial aid is available  
See p. 15 for details

SEE ALSO:

**SECONDARY DIVISION**

For students completing **Grade 7** through **Grade 11**, ATDP offers a rigorous six-week program on the **UC Berkeley** campus.

June 17 - July 26, 2019

[atdp.berkeley.edu/sd](http://atdp.berkeley.edu/sd)

Classes meet two or three days per week. Both Secondary and Elementary Division programs are non-residential.



ATDP's **Elementary Division**, administered through UC Berkeley's *Graduate School of Education*, offers a variety of stimulating and challenging classes designed for academic advancement and enrichment.

We invite students with exceptional academic promise to a three-week summer session.

The Elementary Division (ED) is open to students who have completed any grade from Kindergarten to 6th grade. This year the ED will be held at Washington School, an elementary school in Point Richmond, nine miles from UC Berkeley.

ATDP is committed to supporting gender, ethnic, and socioeconomic diversity in all of its programs.

**WHO ARE ATDP STUDENTS?**

Students are eligible to attend ATDP's Elementary Division once they complete Kindergarten, and they can apply each summer through the completion of Grade 6.

ATDP students enjoy learning, desire opportunities for intellectual and social enrichment, and come prepared to meet the educational challenges of the program. ATDP selects students based on indicators

of both academic performance and creative activity, as well as good work habits and citizenship. Designation as "gifted" at your home school is not required for admission to ATDP. Students with report card marks of "unsatisfactory" or "needs improvement" in conduct or citizenship are not a good fit for the program.



**Inside**

<b>Courses</b> .....	<b>p. 2</b>	<b>Attending</b> .....	<b>p. 14</b>	<b>Apply</b> .....	<b>p. 18</b>
Selecting a Course		Tuition & Payment		Deadlines & Notification	
Additional Activities		Transportation		Instructions	
Course Descriptions		Policies & Planning			

# COURSES



Our classes unite teachers who love to teach with students who love to learn. While our classes are academic, they are also age-appropriate and activity-based. Each course focuses on one specific subject, allowing students to gain deep knowledge. The inspired curriculum makes learning fun.

Additional Activities – p. 3

Course Index – p. 5

Course Descriptions – pp. 6-13

## About ATDP Courses

### CLASS SCHEDULE

Classes meet three and a half hours each day and are held four days a week (no classes on Wednesdays). Morning classes are from 8:30 a.m. to noon, and afternoon classes are from 1:00 to 4:30 p.m. Classes include a 30 minute recess period. For estimated maximum homework times, see the grade-level blue banners in the Course Descriptions section of this catalog (pp. 6-13). Students who require full day care may also enroll in Cal Adventures (on class days) and ATDP's Wednesday Explorations program (on Wednesdays) which are also held at Washington School (see next page for details). Students completing Grades 4 to 6 with strong academic records are allowed to enroll in a second academic class if there is space. The invitation to enroll in a second class is sent with the acceptance packet.

#### What is the average class size?

Elementary Division classes generally have up to 24 students, with a lead instructor and usually an instructional associate.



### SELECTING A COURSE

Each course will concentrate on one subject area, such as Fluid Physics (for 4th graders) or Creative Problem Solving (for 6th graders). Please see the Course Index listing for all courses on page 5, and read the course descriptions on pp. 6-13.

We generally recommend that parents discuss all the course options with their child and that they choose together the class that best capitalizes on the child's academic strengths and deep interests. The subject chosen should be one that the student will want to learn about for three weeks and explore in depth with hands-on projects and interesting activities.

#### I have only one course choice. Do I still have to list alternate classes on my application?

Each course you request represents a commitment on your part. If you would rather not come to the program than attend a course other than your first choice, you should request your first choice only.

#### Will I improve my chances of being placed in my first choice class if I don't list alternates?

No, choosing alternate courses won't affect your placement. We always start by attempting to place a student in his or her first choice and only look at the alternates if the class is filled or if a student's application is not competitive for his or her first choice.

### OUR FACULTY

Our teachers, including lead instructors and instructional associates, are carefully chosen from a pool of exceptionally talented public school, private school, and university instructors. In addition to their demonstrated excellence as classroom teachers, they share a serious commitment to rich, deep academic talent development.





## Additional Activities

### WEDNESDAY EXPLORATIONS

ATDP's Wednesday Explorations program offers a range of classes, workshops, and activities for students to take on Wednesdays in addition to their regularly scheduled ATDP course. Wednesday Explorations supplement the Elementary Division courses by permitting students to delve further into special topics of current interest or to branch out into new areas. For example, students enrolled in a mathematics class may choose to participate in a science Exploration on Wednesdays. Others may decide to explore mathematics even further. Yet other students may select a chess or a crafts class.

ATDP offers **both AM and PM** activities on Wednesdays, during the same meeting times as normal ATDP classes. The Explorations program guide and enrollment sheet will be sent to students in late April along with their notifications of acceptance into ATDP.

Cal Adventures will offer PM extended care following afternoon Wednesday Explorations, from 4:30 to 5:30 p.m.

### CAL ADVENTURES SPORTS & ARTS CAMP

For a separate fee, Cal Adventures, of the Department of Recreational Sports, offers an on-site sports and arts camp for ATDP students. Students enrolled in either morning or afternoon ATDP courses will have the opportunity to participate in sports such as basketball, soccer, dodgeball, and baseball, and in fine arts activities such as dance, arts and crafts, and drama. By combining a half-day ATDP class with a half-day of sports camp, participating students will have a full day of activity and balance between academic and recreational enrichment.

Cal Adventures campers will be escorted to or from their ATDP classroom when transitioning between programs, including a supervised lunch hour. Camp is available only on class days, **not** on Wednesdays. See the table to the right for schedules.

This special program is available only to students enrolled in ATDP. Cal Recreational Sports also offers a full slate of exciting outdoor youth camps and activities that are open to the community at large. If you would like to receive further information regarding summer activity offerings, please call 510-642-CAMP (2267), or check out their website at [camps.berkeley.edu](http://camps.berkeley.edu).

#### Cal Adventures camp schedule (MTuThF)

Morning camp	8:30 am - 1:00 pm
Afternoon ATDP	1:00 pm - 4:30 pm
Morning ATDP	8:30 am - 12:00 pm
Afternoon camp	12:00 pm - 4:30 pm
PM extended care	4:30 pm - 5:30 pm

**!** Schedules subject to change. Please check [camps.berkeley.edu](http://camps.berkeley.edu) for prices and availability. Because ATDP's AM courses tend to fill fast, space in Cal Adventure's PM camp has sold out in previous years. We recommend signing up early if this is your desired schedule!

#### Can my child enroll in Wednesday Explorations or Cal Adventures without taking an Elementary Division course?

No, the Wednesday Explorations program and Cal Adventures Sports & Arts Camp are only available to ATDP students who enroll in an Elementary Division class.





# COURSE INDEX

See details for each course and course section in their respective descriptions on pp. 6-13.

## KINDERGARTEN (p. 6)



	SCHEDULE*	NOTE**
Fun with Math	AM or PM	
Seashore Science	AM or PM	
Visual Storytelling <b>NEW COURSE</b>	AM only	

## FIRST GRADE (p. 7)



Mathmagic!	AM or PM	
Earth Sciences: Gee!-ology	AM or PM	
Ancient Greece Through Myth, Math & Science	AM or PM	

## SECOND GRADE (p. 8)



Creative Writing & Illustrating <b>NEW COURSE</b>	AM only	
Exploring Light and Vision	AM or PM	
Math Comes Alive	AM or PM	
Rainforests	AM or PM	

## THIRD GRADE (p. 9)



Backyard Botany <b>NEW COURSE</b>	PM only	
Human Anatomy	AM or PM	
Mathematicians' Playground	AM or PM	
Those Wonderful Simple Machines!	AM or PM	

## FOURTH GRADE (pp. 10-11)



The Artists' Studio	PM only	3rd Graders may apply
The Invisible Living World	AM or PM	
The Art and Science of Math	AM or PM	
Authors' Corner	AM or PM	3rd Graders may apply
Fluid Physics	AM or PM	

## FIFTH GRADE (p. 12)



The Art of Persuasion	AM or PM	
Lab Chemistry	AM or PM	
Creating Music, Movies & Games with Computers	AM or PM	
The Physics of Motion and Force	AM or PM	

## SIXTH GRADE (p. 13)



Creative Problem Solving	AM or PM	
Human Physiology	AM or PM	
Writing for Secondary School	AM or PM	

**Grades listed** always refer to the grade a student will have completed in June 2019.

**Tuition** covers all three weeks of study and includes the base tuition fee of \$570, *plus* an \$80 facilities fee for a total of \$650 for non-laboratory classes, *or* a \$130 lab fee for a total of \$700 for lab classes.

### 📌 APPLICATION TIP

AM sections are usually more popular and tend to fill quickly. Since ATDP evaluates applications on a continual basis in the order they are completed, requesting a PM schedule may increase your chances of getting a spot in your first-choice course. If you need an AM schedule, **apply early** (well before the postmark deadlines)!

\* AM courses meet from 8:30-12:00, and PM courses meet from 1:00 - 4:30.

\*\* Exceptionally well-prepared students may apply to courses in a higher grade level where noted.

# Courses for students completing Kindergarten

*No homework*

Tuition fee covers all three weeks of study

## Fun with Math



Welcome, Math Adventurers! In this course, we will explore math concepts and develop mathematical thinking skills through fun projects and hands-on activities incorporating art, literature, music, and movement. Using the tools we make with craft materials, graphing activities,

and geometric art projects, we will investigate and discover the relationships between math and our everyday lives. Also, we will develop pre-algebraic thinking skills by predicting, extending, and creating patterns with shapes, numbers, movements, and more. Working in cooperative groups and as a class, we will put on our problem-solving hats and use our critical thinking skills to solve logic problems. In order to deepen our understanding of more traditional math, we won't be doing typical pencil-and-paper problems but instead will learn by having fun with math!

ED3901	8:30 - 12:00	Avril Eattock
ED3902	1:00 - 4:30	Avril Eattock

**\$650**



## Seashore Science



Seashores are rich natural laboratories for scientific exploration. In Seashore Science, we will learn about tides, tide pools, and the plants and animals of California's rocky seashores. Our budding scientists will study different tidal pool relationships using methods of investigation employed in

both earth and life sciences. We will explore the seashore through in-class activities, a walking trip to the beach, and visits by groups that bring the animals from the bay right to our classroom. Topics will include high and low tides, fresh vs. saltwater, camouflage, animal anatomy, and marine conservation. We'll learn a lot about seashore life, including mollusks, crustaceans, univalves, bivalves, algae, plankton, and kelp. We will use scientific methods of observation, and keep journals as we learn about water chemistry and related marine topics. The inner and outer workings of the tide pool plants and animals will be brought to life through experiments, drama, arts and crafts projects, as well as close encounters with live creatures in a marine touch-tank.

ED3903	8:30 - 12:00	Karen Kemp
ED3904	1:00 - 4:30	Karen Kemp

**\$700**

## Visual Storytelling



We all have stories to reflect everyday moments, from the ordinary to the extraordinary. Most of the time, our stories are told orally or through written language. In this hands-on studio class, we will explore storytelling through art. We will tell our stories through drawings, paintings, collage,

and printmaking using a variety of media such as oil pastels, paint, paper, and fabric. We'll observe, examine, and discuss master artworks and what stories are depicted around them. Students will then learn how to express their unique stories by applying various art concepts like lines, shape, color, and texture to depict feelings, movement, and ideas. What stories will *your* artwork tell?

ED3905	8:30 - 12:00	Nica Uk
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**\$650**



# 1 Courses for students completing First Grade

*Homework: Up to 20 minutes per day*  
Tuition fee covers all three weeks of study



## Mathmagic!



Grab your hat and wand and join in on the fun! In Mathmagic, students will develop their reasoning skills and conceptual understanding, as well as strengthen their abilities in basic operations and procedural skills. The class will explore the topics of Data Analysis, Algebra, and

Geometry, through games, magic tricks, team tasks, and art projects. Also, the class will read enticing storybooks from around the world as catalysts for intriguing mathematical investigations covering topics such as binary numbers, the Fibonacci sequence, googols, and more! The fun never ends because all of the learning is anchored in the exciting theme of magic.

ED3911	8:30 - 12:00	Hannah Margulis-Kessel	\$650
ED3912	1:00 - 4:30	Hannah Margulis-Kessel	



## Earth Sciences: Gee!-ology



Earthquakes, volcanoes, massive shifting plates, rocks and minerals, and the powerful forces of erosion—we will investigate these topics and more in this geology class. As budding geologists, we will examine the structure of our planet and the processes that shape it as well as learn how

to classify rocks. Working individually, in pairs and in small groups, we will simulate earthquakes, volcanoes, fossil creation and erosional forces. In addition to many hands-on science explorations, we will learn about these incredible earth processes through stories, games and art projects. We will also work on developing key scientific skills, such as questioning, observation, data recording, communicating and comparing. By the end of class, we will be able to use our new knowledge to view the geological world around us in an entirely new way!

ED3913	8:30 - 12:00	Caitlin Jenkins	\$700
ED3914	1:00 - 4:30	Bethany Lourie	



## Ancient Greece Through Myth, Math & Science



The Ancient Greeks were intrigued with science, mathematics and mythology as a way of imposing order on a world of chaos. We will travel back in time to discover what life was like in Athens and Sparta, use design thinking to build our own versions of architectural and engineering

feats, study their discoveries in astronomy and geometry, and dive head first into the magical world of mythology. Students will write their own myths, learn about the discoveries of Pythagoras and Archimedes, create art in the Ancient Greek style, and immerse themselves in the fascinating world of Mount Olympus. Our Open House will feature an Ancient Greek feast and student performances of classic myths.

ED3915	8:30 - 12:00	Staff	\$650
ED3916	1:00 - 4:30	Staff	

# 2 Courses for students completing Second Grade

*Homework: Up to 20 minutes per day*  
Tuition fee covers all three weeks of study



## Creative Writing & Illustrating



Using our imagination and creativity, we will make our thoughts and ideas come alive in words and pictures. We will translate what we see into words as well as transform sentences into art on a page. We will read stories and poems, learn about different rhetorical devices, and analyze themes. Our illustrations will enhance and deepen our writing and tell stories of their own. By writing and drawing from different points of view, we will explore the concept of perspective. We will share our work in class, give feedback to each other and write collaboratively. Join our active community of creative writers and illustrators!

Our illustrations will enhance and deepen our writing and tell stories of their own. By writing and drawing from different points of view, we will explore the concept of perspective. We will share our work in class, give feedback to each other and write collaboratively. Join our active community of creative writers and illustrators!

ED3921 8:30 - 12:00 Staff

\$650

## Exploring Light and Vision



In this course we will investigate the amazing properties of light, how our eyes function, and how our minds perceive visual information. Through hands-on activities, projects, and fun investigations we will study rainbows, the human eye, invisibility, shadows, light waves, and optical illusions.

We will also build kaleidoscopes, beautiful light reflective boxes, animation flip books, and pinhole scopes. Students will become light and vision experts and will fill their scientific journal with notes, illustrations and observations of their light experiments. Throughout the course our focus will be on exploring and understanding the relationship between light, vision, and how we perceive the world. You won't believe your eyes!

ED3923 8:30 - 12:00 Lily Aguas

ED3924 1:00 - 4:30 Lily Aguas

\$700

## Math Comes Alive



Math is everywhere around us and lives within us, but it is easy to lose sight of this fact in the confines of the classroom. In this class, we will take a fresh look at math through a modern and historical perspective, focusing on geometry and probability. We will also incorporate some financial literacy

through a classroom economy wherein students will have a salary, pay rent, and operate a store. The class requires students to work both individually and in groups, emphasizing the importance of communication and collaboration in solving problems. Students will create artistic designs, learn mathematical symbols from the past and present, explore concepts behind building sturdy architectural structures, hone their logical reasoning skills, use data to make predictions, and strategize in fun learning games. The goal is to deepen their appreciation of both the beauty and practicality of mathematics while planting seeds that will nurture their future experiences with math.

ED3925 8:30 - 12:00 Nakia Baird  
ED3926 1:00 - 4:30 Nakia Baird

\$650

## Rainforests



Explore the wonders of the tropical rainforest in this course created for young scientists. Together, we will investigate different aspects of rainforests: their plants and animals, their people, and their products. We will grow rainforest habitats in small groups and keep science

journals detailing our observations through drawing and writing. We will research animals and write and create art projects about them. Also, we will discover just how many rainforest products we use in our daily lives and use many of them in recipes to make tasty treats. Throughout this course, the emphasis will be on the essential nature of the world's rainforests: why we need the rainforests on our earth and what we can do to preserve them.

ED3927 8:30 - 12:00 Brett Lackey  
ED3928 1:00 - 4:30 Brett Lackey

\$700



## Backyard Botany



Roll up your sleeves and be ready to get your hands dirty! In this course, budding botanists, or plant scientists, will study the physiology, structure, and classification of common backyard herbs, vegetables, fruiting trees, and flowers. A scientific journal will be kept by each student to

document lighting, soil, watering, and temperature preferences of various plants in preparation for successful planting and germination. Students will also compare, contrast, and evaluate different methods of urban gardening, including a method that requires no soil and even a method that uses fish waste as plant fertilizer! By the end of the course, students will be experts in planning, planting, caring for, and troubleshooting both edible and aesthetic backyard gardens. On the final day of class, students will present their botany journals and will have the opportunity to take home a garden starter kit of their own. If you want to cultivate your green thumb, this class is for you!

ED3930 1:00 - 4:30 Elizabeth Abruzzini \$700

## Human Anatomy



In this course, students will study the human body from the inside out. Our exploration of anatomy will consist of hands-on projects, including cell models, lung models, DNA extraction, edible chemistry, reaction time, and microscope investigations. Students will have the opportunity to get

up close and personal with the inner workings of the body as they dissect bones, muscles, hearts, eyes, and brains (all specimens are fresh and locally inspected). Each student will chronicle his or her body discoveries with the construction of a life-sized body model and a detailed body systems book, which they will present on the last day of class. We will also study some related chemistry, art, mythology (e.g., Achilles' heel), and history.

ED3933 8:30 - 12:00 J. Hunau & S. Hunau \$700  
 ED3934 1:00 - 4:30 J. Hunau & S. Hunau

Exceptionally well-prepared third graders may also apply for courses **ED3940: The Artists' Studio** (p. 10) or **ED3945/ED3946: Authors' Corner** (p. 11).



## Mathematicians' Playground



Calling all math lovers! In this course students will dive into mathematical reasoning and risk-taking. We will learn to develop multiple problem-solving strategies, evaluate our results, and explain our thinking to others. We will see how to apply our understanding of number sense,

geometry, probability, and algebra to daily, real-life situations. By working both independently and collaboratively, students will find creative solutions and build their mathematical brainpower. This class will provide students with a supportive and fun environment for interaction with other students who love mathematics.

ED3935 8:30 - 12:00 Anne Kaffka \$650

## Those Wonderful Simple Machines!



In this course, we will learn about simple machines: levers, pulleys, wheels and axles, inclined planes, wedges, and screws. We will study their origins, usefulness, and relationships to other machines. We will have hands-on opportunities with simple machines, draw pictures, and make our

own models. While learning that gadgets are based upon the principles of simple machines, we will try to "stump" one another with unusual gadgets. We will learn about Ruben Lucius "Rube" Goldberg and his famous gadget cartoon pictures. As homework each of us will design and build a simple working model of his or her own Rube-Goldberg-inspired gadget. After working a little at home every day in order to plan, assemble, and complete our final course projects by the last day, we will then present them for our Open House.

ED3937 8:30 - 12:00 Michelle Harrison \$650  
 ED3938 1:00 - 4:30 Michelle Harrison

# 4 Courses for students completing Fourth Grade

*Homework: Up to 25 minutes per day*  
Tuition fee covers all three weeks of study

## The Artists' Studio



Using creativity and imagination, we will delve into the world of lines, colors, shapes, and textures, crafting our own works of art and learning to think critically about the art we see. We will explore and build upon the basic concepts for each of these artistic elements, gradually progressing

to 3D models by the end of each week. Daily projects and artist workshops will foster both individual creativity and more structured learning to help students build a strong foundation in each element. We will also study several modern artists, who will help us understand how to use basic elements to create masterpieces. Finally, we will look at our art with critical eyes, thinking about the use of each principle and what it was like to work with the different materials. Students will have the opportunity to present their final art project on the last day of class.

ED3940 1:00 - 4:30 Pooja Govil

\$650



## The Invisible Living World



In this course, students will become scientists exploring the amazing diversity and complexity of the invisible living world, using microscopes to make discoveries that are impossible with the human eye alone. The course will parallel the evolutionary development of living things, with the first

week focusing on the most ancient single-celled organisms, such as bacteria; the second on organisms such as amoeba, algae and fungi; and the third on specialized cells of macroscopic multicellular organisms, such as humans. Students will learn about the intricate organization within seemingly simple life forms through direct observation, labeled pictures and diagrams, and readings. They will create their own microbe samplers on Petri plates by swiping doorknobs, the soles of shoes, floors and other microbe-rich habitats. They will explore the anti-biotic properties of spices, harness the power of yeast by making soft pretzel dough, and discover the good bacteria that turn milk into yogurt. Students will keep a lab notebook with information on vision, traits of life and cell structures, as well as sketches of what they observed. Also, they will research and make models of a microbe of their choosing for the grand Microbe Zoo finale.

ED3941 8:30 - 12:00 Jonathan Cohen

ED3942 1:00 - 4:30 Jonathan Cohen

\$700



## The Art and Science of Math



Artists, scientists, architects, business people, and engineers all use mathematical thinking to solve problems in their work. In this class, we will explore a variety of exciting problem solving opportunities that come up in the real world where math is a useful tool. We will explore how to build

stable structures out of unusual materials like spaghetti and marshmallows; design a water supply system for a fictional island; product-test different Slime formulas; solve logical puzzles; create elaborate and mathematically precise patterns which will become beautiful art pieces; explore concepts of geometry in a variety of ways; learn how to solve Rubik's Cubes; and explore ways to model real world situations using mathematical diagrams. Students will work both collaboratively and independently to exercise their mental muscles and design solutions to complicated problems. We will work hard, have fun, and learn a lot.

ED3943 8:30 - 12:00 Liz Swerling  
ED3944 1:00 - 4:30 Liz Swerling

\$650



## Authors' Corner



Authors' Corner is a creative writing workshop. Students will write about what is important to them in imaginative fiction, autobiographical narrative, and poetry. Using freewriting, students will practice following their thoughts to discover what ideas they have in their minds.

During read-aloud time, the class will identify the techniques authors use to create vivid characters and engaging plots. Each student will create one long fictional story, using what they have learned about plot structure, specific sensory details, metaphors and similes, and dialogue. Field trips to a "haunted house" and the beach will allow students to draw inspiration from their experiences in the world.

ED3945 8:30 - 12:00 Heather MacLeod  
ED3946 1:00 - 4:30 Heather MacLeod

\$650

## Fluid Physics



In this class, we will discover the amazing world of liquids and gases. By studying density and Archimedes' Principle, we will then find out how and why concrete boats and hot air balloons float. We will design and build our own model concrete boats and compete in The Great Concrete Boat Race.

We will also make our own hot-air balloons. By studying surface tension, we will learn how water spiders can live on the surface of a pond and why bubbles act bubbly. We will investigate the shapes of bubbles and produce waves on a bubble. Also, we will study Bernoulli's Principle and investigate how air flows around objects like cars and airplane wings.

ED3947 8:30 - 12:00 Jennifer Che  
ED3948 1:00 - 4:30 Jennifer Che

\$700



# 5 Courses for students completing Fifth Grade

*Homework: Up to 30 minutes per day*

**Tuition fee covers all three weeks of study**



## The Art of Persuasion



Let your voice be heard! In this course we will work to develop our thoughts and ideas about the topics that matter most to you. We will learn to craft compelling arguments that can really make a difference, in the forms of persuasive essays, letters to the editor, debate, and more!

Each day, we will practice writing in both formal and informal styles, critique writing samples, and work towards three published pieces for our class book. We will practice the various stages of the writing process as we pre-write, draft, revise, and edit our arguments, both with our peers and by ourselves. By the end of the three weeks, you'll be amazed at how sophisticated and convincing your writing and speaking can be!

ED3951	8:30 - 12:00	Staff
ED3952	1:00 - 4:30	Staff

**\$650**

## Lab Chemistry



In this lab science course, we will observe chemical and physical changes, examine the properties of substances, hypothesize and investigate experimental outcomes, do independent research on elements of our choice, and utilize laboratory journals to record notes and obser-

ations. Students will develop their observation and analytical skills by experimentally discovering the amount of oxygen in air, testing gases for specific properties, making polymers, growing crystals, learning about electrochemistry and building their own battery, and performing a forensics experiment to determine the identity of various substances. Using freezing point depression, students will make ice cream and understand the chemistry behind it. As a culminating activity, students will plan and perform a chemistry "magic" show.

ED3953	8:30 - 12:00	E. Kavalier & E. Johnson
ED3954	1:00 - 4:30	E. Kavalier & E. Johnson

**\$700**

## Creating Music, Movies & Games with Computers



In this course, we will create pictures, animations, music, and interactive games. That's a lot to accomplish, so instead of starting with markers and paint, we will be using a computer to help out. Much like the animators and computer programmers do at Pixar, you will learn to create pictures,

animations, and music on the computer. You can even use these skills to make your own game on the computer! You will take all of your projects home on a USB drive so that you can easily show your friends and family. The software that we will use is free, so you can continue your projects after the class. The course is designed for students without programming experience, and students with fewer than 20 hours of Scratch experience are encouraged to enroll. The curriculum is based upon the new introductory programming course offered at UC Berkeley and covers fundamental topics in computer programming, such as variables, looping, conditionals, and method calls.

ED3955	8:30 - 12:00	Nathan Mattix
ED3956	1:00 - 4:30	Nathan Mattix

**\$700**

## The Physics of Motion and Force



We will learn about Physics by exploring Newton's Three Laws of Motion and see them in action in hands-on experiments and projects. Course highlights will include the effects of constant acceleration, culminating with students shooting marshmallows from paper blowguns, friction

and the construction of a hovercraft large enough to ride on, Newton's Third Law as exemplified by vinegar and baking soda powered rocket cars and, of course, lots of flying marbles.

ED3957	8:30 - 12:00	C. Griggs & D. Scalisi
ED3958	1:00 - 4:30	C. Griggs & D. Scalisi

**\$700**



## Creative Problem Solving

Codes, Ciphers & Cryptic Conundrums



Solve mysteries, create mysteries, bury treasure on a deserted island with traps, draw a secret map, and design your own board game like Clue—it's all in a day's work when you join us for Creative Problem Solving. In this course, students will encounter a variety of unique challenges. Students

will learn numerous problem-solving strategies, which can be applied to a wide variety of conundrums. Students will use various strategies, such as looking for patterns, drawing diagrams, working backwards, questioning assumptions, and using logical reasoning. We will work both collaboratively and independently to solve different challenges that can range from realistic to fanciful, including perplexing pictures, geometric problems, secret codes, logic puzzles, strategy games, and good old mysteries.

ED3961	8:30 - 12:00	Steve Kirby	\$650
ED3962	1:00 - 4:30	Steve Kirby	

## Human Physiology



This class is for any student who has a body and is curious to know more about how it works! The course is organized around the organ systems that make up the human body. What happens to your food when you eat it? How strong are your muscles, and how quickly can they move? Why

do your brain and eyes do crazy things when they're confused? And, of course, there will be body parts everywhere! We'll get our hands dirty with dissections of real hearts, brains, and eyeballs. As much as possible, our explorations will be activity-based and allow students to ask questions, make predictions, work with one another, and just generally have a good time. You'll never look at your body the same way again!

ED3963	8:30 - 12:00	P. Holman & E. Vann	\$700
ED3964	1:00 - 4:30	P. Holman & E. Vann	



## Writing for Secondary School



This course will provide an introduction to the expectations of secondary-level English classes. We will focus on the writing process—pre-writing, drafting, revising, and editing—in our composition of essays and smaller assignments. We will practice expository writing

(analysis, persuasion, and interpretation) as well as prose writing (description, narration, and modeling). While learning various writing styles, we will discover the importance of voice and point-of-view in writing. We will practice interpretation of concrete, visual imagery and later create our own artistic works to better understand authorial intent. Then, we will transfer these visual skills to analysis and creation of more abstract and metaphorical language in written works. Every day, we will write in our journals, study the roots of vocabulary words, and learn strategies for revising and self-editing.

ED3967	8:30 - 12:00	Staff	\$650
ED3968	1:00 - 4:30	Staff	

### Additional Option for Returning Sixth Graders

Returning ED students who will be completing sixth grade in June 2019 are also eligible to apply for the following Secondary Division (SD) courses on the Berkeley campus:

- SD3900 The Writing Process (any section)
- SD3933 Elements of Web Design (any section)
- SD3940 Foundations of Algebra
- SD3950 Public Speaking (either Tu & F section; SD3950.1 or SD3950.2)

Spaces in these six-week courses are reserved for exceptional returning students who are ready for the challenge of demanding, rigorous coursework. The Director will determine admission and placement. Students who decide to apply to SD must complete an SD application, available on our website at [atdp.berkeley.edu](http://atdp.berkeley.edu). Former ED students applying to SD are considered new students for application purposes. The SD early application deadline is Wednesday, February 13 (recommended), and the standard deadline is Wednesday, February 27.

Since placement in SD is not guaranteed for returning sixth graders, a sixth grade SD application should also include acceptable ED course choices as alternatives.

# ATTENDING

“It was so much fun!  
I can’t wait to come back next year!”

– ED STUDENT, FIRST GRADE



## Acceptance

### PLACEMENT MAILING

Students who have been accepted to ATDP and who applied by the March 27 deadline will be mailed an acceptance packet on April 26. This packet contains a welcome letter with important information, your course placement, tuition payment instructions, our Explorations guide (see “Wednesday Explorations,” p. 3), a school map, and the *Notification of Attendance or Withdrawal* form.

### CONFIRMING PLACEMENT

To confirm course placement, students who plan to attend must return the *Notification of Attendance or Withdrawal*, in addition to their emergency information and tuition payment, by the appropriate tuition deadline (according to their application date). See p. 19 for deadline dates.

**Providing immunization records.** University of California policy requires all students participating in campus programs to provide proof of immunization. Families of students

who are admitted to the program should be prepared to provide immunization information for each student when they confirm their course placement. Returning families who submitted immunization records previously will not need to submit them again so long as the records are accurate and on file.

### OTHER PLACEMENT DECISIONS

In certain situations, students may be accepted to the program without a course placement:

**In a wait pool.** Very popular courses fill quickly. If your first course choice becomes unavailable, we will automatically place you into a pool of applicants to be considered if a spot opens. Unlike a traditional waiting list, all applicants are considered for openings, and we use the same criteria as in our standard application process.

**Need alternate course choices.** Many factors determine whether an applicant qualifies

for a particular course, including grade level and strength of the academic profile relative to other applicants. If an accepted student does not qualify for the particular course(s) indicated on the application, we will ask for alternates. We are happy to work with applicants to find the best course placement.

*ATDP isn't for everyone!* We encourage students cannot commit to attending ATDP or who have not been accepted to explore other summer opportunities through UC Berkeley or elsewhere. These students are welcome to apply again for summer 2020.



# Tuition & Payment

## TUITION

Tuition fees for ATDP courses can be found under the individual course descriptions (pp. 6-13). These include the base tuition fee and facilities fee, but do **not** include the application processing fee, nor expenses for personal supplies or transportation. Families will be notified of their balance due when placement decisions are made available. For those making a single payment, families will have until their tuition deadline to send payment for the entire balance. If a family needs to pay in installments, the first payment of at least \$100 must be sent by May 29 and the remaining balance must be fully paid by Friday, July 26 (the last day of classes).

## APPLICATION PROCESSING FEE

There is a processing fee for each application. The fee is \$50 for domestic students. For international students attending school outside the US, the fee is \$80 and must be paid online. This fee is non-refundable. It covers only the cost of application processing and does not apply toward tuition or facilities fees. Available payment methods include:

- Online payment by credit or debit card (online applications only).
- Check or money order made payable to “UC Regents.” Write “SD” and the student’s first and last name on the memo line. Mail or deliver your check payment to ATDP.
- Those applying for need-based financial aid may apply for a processing fee waiver if the fee poses a financial hardship. See *Financial Aid*, right.

We cannot accept cash payments or foreign checks/money orders.

## SIBLING DISCOUNT

For families sending two or more siblings to the program, a \$35 tuition discount is available for each student. For example, if two siblings attended, each student would receive one \$35 discount from tuition, for a total family discount of \$70. This discount is taken from course tuition only, not from the \$50 application processing fee or the facilities fee.

## FINANCIAL AID

ATDP is a self-supporting program funded by student fees. However, limited need-based financial aid is available to qualified applicants. We are unable to provide financial aid to international students or those coming from outside of the immediate San Francisco Bay Area.

Requests for financial aid—complete with supporting documents, tax returns, and schedules—are due by the standard application deadline of Wednesday, March 27, 2019. **We do not consider applications for financial aid after this deadline.** If payment of the non-refundable \$50 processing fee poses a financial hardship, attach a signed note of explanation with the tax returns in lieu of payment.

All admission and placement decisions are made independently of financial aid status. Your application will not be held up pending a financial aid decision. However, we can only evaluate your request for financial aid once we receive all required documents. Financial aid decisions are based on total resources, not only on household income. Applicants who are accepted will be mailed notification of the amount of financial aid on April 26. Awards cover base tuition only; they do not cover transportation, textbooks, course materials fees or other expenses. Families who need to pay tuition in installments will have until July 26 to do so. Details will be included in the acceptance letter.

Instructions for applying for financial aid are included with the online or paper application.



## REFUND POLICY

A parent whose registered student is unable to attend must withdraw the student in writing and may request a tuition refund. Prior to Wednesday, June 12, 2019, tuition and facilities fee payments are refundable. After June 12, refunds are subject to the ATDP Refund Schedule, which will be included in the student’s acceptance packet.

No refund will be made in the case of a student who fails to attend classes or is withdrawn from ATDP for failure to meet the standards of appropriate behavior, including completion of homework. The application processing fee is also non-refundable.



# Location & Transportation

Washington Elementary School is located at **565 Wine Street in Point Richmond**, nine miles northwest of UC Berkeley.

The historic small town of Point Richmond is nestled in a quiet area between Interstate 580 and San Francisco Bay, near the eastern anchorage of the Richmond-San Rafael Bridge.

## WASHINGTON SCHOOL OFFICE

Once classes begin, ATDP staff and site administration will be available at the main office in Washington School. If you have questions about your child's performance, attendance, or any other concerns, contact information will be included in your child's acceptance packet.



## ATDP MAIN OFFICE

For applications, payment information, Secondary Division questions, or to check the Lost & Found after July, you can visit the ATDP Main Office at UC Berkeley. Please look us up at 2199 Addison Street in Berkeley to find University Hall. We are in room 70 on the ground floor. While classes are in session, most inquiries should be made directly to the Washington School office.

## CARPOOL

For students and their families interested in forming carpools, ATDP provides an online directory of other students from their area who are also interested in carpooling. Families then contact each other and form their own carpools. The commuter directory is available only to students who have been accepted into the program, who have an online account, and who have opted into the directory themselves.

If you and a sibling or friend want to attend ATDP at the same time so that you can commute together, include the request in a note in both applications. Make certain that the schedules of the courses you each request match. *The earlier you both apply, the more likely we will be able to work with your schedules.*

**Where can I find summer housing near UC Berkeley?**  
 ATDP is not a residential program. Unfortunately, we are unable to assist families with housing arrangements.

## DRIVING DIRECTIONS TO WASHINGTON SCHOOL:

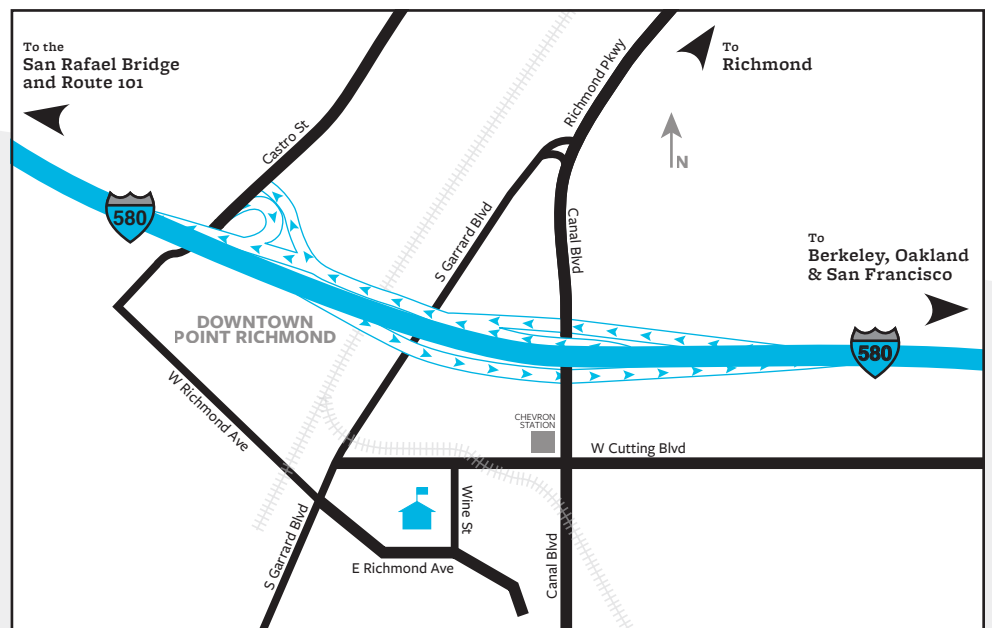
**From San Francisco, Berkeley/Oakland, Highway 24, the Peninsula, and the South Bay:** Take I-80 East to the I-580/Richmond-San Rafael Bridge junction (right lanes), and continue on I-580 West. Follow I-580 to the Canal Blvd. exit. Turn left onto Canal Blvd. Go under the freeway and move to the right hand lane. At the next light, turn right onto Cutting Blvd.

**From Sacramento/Vallejo/Highway 4:** Take I-80 West. Exit at Richmond Parkway. Turn right onto Richmond Parkway and continue for several miles. Richmond Parkway becomes Canal Blvd. After passing the 580 overpass, turn right onto Cutting Blvd.

**From Marin/Sonoma via 580:** From US 101 take I-580 East across the Richmond-San Rafael Bridge. Take the Canal Blvd. exit. Turn right onto Canal Blvd. At the next light turn right onto Cutting Blvd.

## ONCE ON CUTTING BLVD:

Continue west on W Cutting Blvd for one block and then turn left onto Wine Street, just after the railroad tracks. Washington School will be on the right.



# Attendance

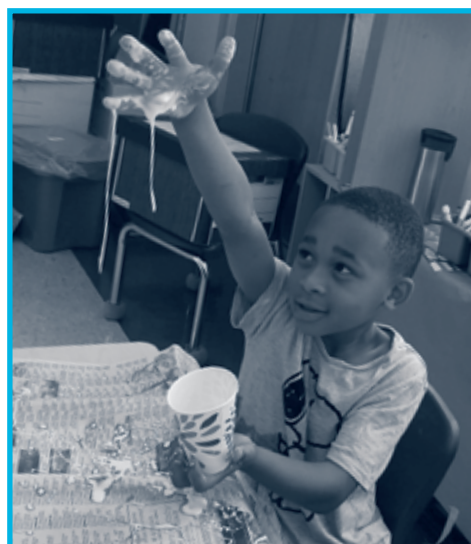
*There are no excused absences at ATDP.* As expectations are high and courses are fast-paced, even one absence makes it difficult to keep pace. Therefore, students are expected to attend every class session. Even in the case of unanticipated circumstances, there are some things that cannot be “made up” (such as introductions, class participation, group activities, presentations, or examinations, for example).

If there are special circumstances that will affect a student’s ability to *attend every class*, please contact the program office; anticipated absences not addressed prior to the full refund deadline will not be accommodated. Barring exceptional circumstances, students who anticipate missing more than one class session will not be allowed to attend the

program. If you have concerns about your summer schedule, we strongly advise you to contact our office before applying.

## POLICY

*Missing too much class time for any reason may result in dismissal from the program without refund.* All matters affecting regular attendance—absence, coming late, or leaving early—must be communicated in writing to the program office (not the instructor) by a parent or guardian (not the student). Anticipated absences not addressed prior to the June 12 refund deadline will not be accommodated. A student’s attendance record will be taken into account in admission decisions in subsequent years.



# Program Planning

## WELCOME & ORIENTATION

An orientation for students and their families will be held on Saturday, July 6, at Washington School. Although not mandatory, it is an opportunity for students and families to meet their child’s teacher and school administrators, see their classroom, and become familiar with the school site and procedures before the start of classes.

## PARENTS’ ROOM

For parents who want to remain at the school site while their children are in class, there will be a parents’ room. Parents will need to sign in at the school office each day.

## OPEN HOUSE

Every class will have an Open House for families during part of the last day of class. Guests will see class projects that students have worked hard on during the summer session.

## FINAL EVALUATION

After classes end, parents will receive a final evaluation summarizing their child’s academic progress and interests in class. It will review and report on the student’s performance and achievement.

# APPLY



ATDP's goal is to select students who enjoy learning, who desire opportunities for intellectual and social enrichment, and who are able to meet the educational challenges of the Program. Students should arrive on time, be ready to learn, and expect to be active and challenged during class. ATDP selects students based on indicators of both academic performance and creative activity, as well as good work habits and citizenship.

Deadlines & Notification – p. 19

Required Materials – p. 20

## THE APPLICATION PROCESS

We make every effort to place all qualified students in their first-choice course. ATDP reviews applications on an ongoing basis, beginning when an application is complete. However, course enrollment is limited, and there are often more qualified applicants than the program can accommodate. It is generally advantageous to apply early, preferably well before the postmark deadlines (see p. 19). The application process is the same for new and returning students. (A student who applied in a previous year and then withdrew without completing a course will be considered a new student for admission purposes.) Students must reapply every year, and returning students are not guaranteed automatic readmission or placement in their first choice of course. Incomplete applications are not considered for placement.

**Early Application.** A limited number of spots in each course will be reserved for early applicants. Early applicants who are admitted

### If admission is based on academic preparedness, why is applying early so important?

Applications are considered in the order in which they are completed. For the most competitive courses, there are always more qualified applicants than the program can accommodate. Highly qualified applicants who apply early have the best chance of being placed in their preferred courses at their preferred meeting times.

## NEW THIS YEAR: COMPLETE YOUR APPLICATION ONLINE

We are excited to share that the online application process has been updated to allow applicants to complete their applications *entirely online*. Application materials may now be uploaded (optional), and the application processing fee may once again be paid by card online. ATDP will continue to have a paper option for those who prefer to send their materials by mail.

will find early acceptance information in their online account. Applicants submitting a paper application instead of online cannot apply as early applicants.

As in previous years, returning students will receive priority if they apply early. Based on the number and relative strength of other early applications, an early applicant may be automatically converted to a standard applicant if no early acceptance decision is possible.

**Standard Application.** The standard application deadline is available for those applying both online and via hard copy. Availability may be limited in the case of very popular courses. Those applying for need-based financial aid must apply by March 27, the standard application deadline.

**Extended Application.** For courses that still have open spots after the standard application period, we will accept applications on a rolling basis. Financial aid will no longer be available for applications completed after March 27.

## ACCEPTANCE DECISIONS

On Friday, April 26, ATDP will mail a letter to applicants who applied on or before the standard deadline informing them whether they have been accepted. Acceptance packets will include your course placement, balance due, and forms required for attendance. If you applied online, a preview of this information will also be available in your account beginning on April 26.

Acceptance decisions for extended applications are made on a rolling basis, and will usually be available within 10-15 business days of receiving a complete application.

## CONTINUING TO THE SECONDARY DIVISION (SD)

Many students return summer after summer, taking advanced courses they cannot take at their regular schools. ATDP is committed to serving returning students

through their elementary, middle, and high school years.

While participation in previous summers' Elementary Division is acknowledged, articulation between the ED and SD is not automatic. It is important for students and

their families to keep this in mind, as there are always more applications from highly qualified students than spaces to accommodate them. Former ED students applying to the SD must demonstrate continued academic achievement as well as good work habits and citizenship.

# Apply Online

Visit [atdp.berkeley.edu](http://atdp.berkeley.edu) to begin your application.

- See p. 20 for a summary of materials required to complete your application.
- Review detailed application instructions at [atdp.berkeley.edu/apply/ed](http://atdp.berkeley.edu/apply/ed) before you begin.

New applicants will need to register an online account. Returning families should use the same account they used previously. Once you're logged in, access the "My Account" menu in the upper right. Click on the name of a returning student, or select "Apply for a new student," and follow the on-screen instructions.

*Can't apply online?* If you are unable to access the online application, complete the

paper *Application Information Form* and mail it with the required materials to ATDP. English and Spanish language paper forms can be downloaded from [atdp.berkeley.edu/resources](http://atdp.berkeley.edu/resources). Your school counselor may have also been provided paper forms, or you can contact our office to have forms mailed to you. Online services will be unavailable to those who submit a paper application.

*Recursos en español están disponibles en nuestro sitio de Internet.*

# Deadlines & Notification

ATDP evaluates applications on an ongoing basis in the order they are received, beginning when an application is complete. ***The earlier you apply, the better your chances at receiving placement into your preferred course!***

EARLY APPLICATION	STANDARD APPLICATION	EXTENDED APPLICATION
<ul style="list-style-type: none"> <li>■ Financial aid available</li> <li>■ Must apply online</li> <li>■ Returning ED students receive priority</li> </ul>	<ul style="list-style-type: none"> <li>■ Financial aid available</li> </ul>	<ul style="list-style-type: none"> <li>■ Financial aid <b>NOT</b> available</li> <li>■ Limited course availability</li> <li>■ Rolling acceptance decisions</li> </ul>
Application Postmark Deadline: <b>Wednesday, March 13</b>	Application Postmark Deadline: <b>Wednesday, March 27</b>	Final Postmark Deadline: <b>Thursday, June 6</b>
Acceptance Decisions: <b>Wednesday, April 11 (online*)</b> <b>Thursday, April 26 (mailed)</b>	Acceptance Decisions: <b>Friday, April 26</b>	Acceptance Decisions: <b>within three weeks of receipt of the completed application</b>
Tuition Deadline: <b>Monday, May 15</b>	Tuition Deadline: <b>Wednesday, May 29</b>	Tuition Deadline: <b>within two weeks of receipt of the acceptance decision</b>

\* Early applicants have access to a preview of acceptance information online, but they will still receive a mailed packet at a later date.

Subscribe to our **community newsletter** at [atdp.berkeley.edu/news](http://atdp.berkeley.edu/news) or follow us on **Facebook** at [facebook.com/ucb.atdp](https://facebook.com/ucb.atdp) to receive notification as soon as these dates are available!



## Required Materials

Just like applying to college, a complete application requires several supporting documents (see below). Be mindful of your desired application deadline as it can often take several days to collect your documents and complete the application.

The complete application instructions at [atdp.berkeley.edu/apply/ed](http://atdp.berkeley.edu/apply/ed) (or on your paper form) detail the requirements for each item

that is needed for a complete application. We highly recommend that you review these instructions and then prepare as many of the items as possible before you complete the application form. This may include scanning if you plan to upload your materials, and/or photocopying or printing if you plan to mail them.

Application items are listed below in brief.

- The **Teacher Recommendation Form**, a brief form for a current academic teacher to complete (Note: *ATDP does not review separate letters of recommendation*)
- A copy of your most recent **report card**
- A copy of **achievement test scores** (for grades 3 and up)
- A written **academic product or essay**

The application processing fee is \$50 for domestic students, payable online with card or by mail with check or money order. For students attending school outside the US, the fee is \$80, payable online only. See p. 15 for additional information.

**Need-based financial aid** is available for students who would otherwise be unable to attend. To apply for aid, your application should also include your parents' or guardians' federal tax return. See p. 15 for additional information.

### How are financial aid awards determined?

Financial aid awards are based on total family resources, determined in part by tax returns and schedules. We make every effort to help families with limited resources; however, we are often unable to offer full financial aid, and families who receive full financial aid for tuition will still need to pay the course facilities fee.

### I'm not from the San Francisco Bay Area. May I apply?

Yes! ATDP is open to students from the Bay Area and beyond. Students from many countries—including Taiwan, Italy, Kuwait, and Singapore—have attended. However, please note that (1) ATDP is not a residential program and we cannot assist with housing arrangements, and (2) financial aid is limited to students from the immediate Bay Area.

### A drastic change in my financial situation is not reflected on my tax return. What should I do?

Attach a letter explaining your situation, as well as any supporting documents (e.g., unemployment forms) to the tax forms you send in.



# STAFF & ADMINISTRATION



**Prudence Carter**  
Dean  
Graduate School of Education



**Lisa Kala**  
Program Director



**Frank C. Worrell**  
Faculty Director



## PROGRAM STAFF

**Stevie Jeung (with Fiona), Cynthia Nie, Asst. Director Carrie Brown, Samuel Pierce, Mildred Flores, Thomas Tallerico**



**Washington Elementary School**  
Point Richmond, CA  
ED Site Office



**University Hall**  
UC Berkeley  
ATDP Main Office

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**Research participation.** ATDP has a responsibility to conduct research that contributes new knowledge that leads to growth and improvement in our understanding of how academically talented students learn and how they can be better served. We ask our students and their families to assist in this effort by contributing between 1 and 3 hours per year to participating in this research. However, opting not to participate in research will in no way affect admission into the program. Before a student can participate in a study, ATDP gives detailed information about it to the student and his or her parent(s) and obtains their informed consent in writing.

**Nondiscrimination statement.** The University of California, in compliance with Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Age Discrimination Act of 1975, does not discriminate on the basis of race, color, national origin, sex, handicap, or age in any of its policies, procedures, or practices; nor does the University discriminate on the basis of sexual orientation. This nondiscrimination policy covers admission and access to, and treatment and employment in, University programs and activities, including but not limited to, academic admissions, financial aid, educational services, and student employment.

University of California, Berkeley  
Academic Talent Development Program  
Graduate School of Education  
70 University Hall #1160  
Berkeley, CA 94720-1160

510-642-8308  
atdpoffice@berkeley.edu

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# 2018 CALENDAR

## APPLICATION & NOTIFICATION DEADLINES – see p. 17 for details

	<i>Early</i>	<i>Standard</i>	<i>Extended</i>
POSTMARK DEADLINE	<b>Wed., March 14</b>	<b>Wed., March 28</b>	<b>Thurs., June 7</b>
ACCEPTANCE DECISION	<b>Thurs., April 12</b>	<b>Fri., April 27</b>	<b>rolling (see p. 17)</b>
TUITION DEADLINE	<b>Wed., May 16</b>	<b>Wed., May 30</b>	<b>rolling (see p. 17)</b>

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<b>REFUND DEADLINE</b>	<b>Wed., June 13</b>	Last day to request a full refund
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<b>WELCOME &amp; ORIENTATION</b>	<b>Sat., July 7</b>	Orientation for students and parents
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<b>CLASSES</b>	<b>Mon., July 9</b>	Elementary Division classes begin at Washington School
	<b>Fri., July 27</b>	<b>Open House</b> Most classrooms open for visiting parents and family
	<b>Fri., July 27</b>	<b>Classes End</b> Last day to complete payment for those paying in installments