Academic Talent Development Program

Elementary Division
Grades K-6

Summer 2010
July 12 to July 30

UC Berkeley
Graduate School of Education
Summer 2010 marks the twenty-ninth year of ATDP. For over a quarter of a century, students have come to the Berkeley campus each summer to pursue Latin, Foundations of Algebra, Architecture, Law, Marine Biology, Advanced Placement courses, and so much more. They come to meet others like themselves who enjoy academic adventure. They come to thrive in an intellectual environment where they study with adults who love the subjects they teach and love working with students eager to learn. Students encounter fields of study and areas of research they might otherwise never have known existed.

Our vision has always remained the same: to welcome youth from all backgrounds into an academic community that works in a world of great possibilities. Our ongoing goal is to help our students to think and understand ever more deeply, in addition to encouraging them to rise rapidly through levels of study. We continue to offer courses appropriate to our students' needs, taught by outstanding public school, private school, and university instructors. And, more than ever, we strive to help our students in their efforts to create a world better than the one they are inheriting.

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 seek the active involvement of our students and their families, who sometimes participate in research studies and who always share their experience, insights, and evaluations. We continue to develop and incorporate new knowledge into the program, with each year's changes and additions to the program reflecting what we have learned during the previous year.

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 then 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 and some particular ones that address exactly what you have always wanted to study.

Thank you for your interest in ATDP. If you have any questions, please call the program office. We look forward to hearing from you!

Sincerely,

Nina Hersch Gabelko
Program Director
## General Information

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### Calendar 2010

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<td>Wed., March 17</td>
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<td>Wed., March 31</td>
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<td>ATDP mails all applicants a letter informing them whether they have been accepted. Letters of acceptance include class schedule and invoice for fees due or financial aid award.</td>
<td>Fri., April 30</td>
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<td><strong>Tuition Deadline</strong></td>
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<td>Student sends Notification of Attendance or Withdrawal. Postmark deadline for payment of tuition fees, first installment, or tuition balance (if any) for families awarded financial aid.</td>
<td>Wed., June 2</td>
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<tr>
<td>Postmark deadline for written tuition refund request.</td>
<td>Thurs., June 17</td>
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<td><strong>Classes</strong></td>
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<td>Mon., July 12</td>
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<td>Fri., July 30</td>
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<td><strong>Picnic</strong></td>
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<td>Picnic at UC Berkeley for students, parents, and faculty/staff.</td>
<td>Sat., July 31</td>
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Every summer, highly motivated students come to UC Berkeley’s Academic Talent Development Program from all over the Bay Area and beyond to participate in a variety of stimulating and challenging classes designed for academic advancement and enrichment. Administered through UC Berkeley’s Graduate School of Education, the ATDP Elementary Division invites students with exceptional academic promise to a three-week summer session. ATDP is committed to supporting ethnic, gender, and socioeconomic diversity in all of our programs.

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. 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 have one or two recess periods totaling 30 minutes. For estimated maximum homework times, see the grade-level blue banners in the Course Descriptions section of this catalog (pp. 9-18). ATDP students who also enroll in Sports Camp through Cal Youth and Outdoor Programs (CYOP) (see p. 5 for more information) will have an additional 4 hours and 15 minutes of activities at Washington School. CYOP Sports Camp is also available on Wednesdays.

**Program Objectives**
- To offer students an educational opportunity commensurate with their need to know, think, and express.
- To provide content-concentrated courses that encourage students to seek and meet educational challenges as they grow.
- To incorporate broad themes, research activities, and cultural explorations into the academic experience in order to enrich students’ learning experiences.
- To promote continued development of able youngsters toward a full intellectual and social life.
- To prepare students for rigorous study in the Secondary Division.

**Our Faculty**
Faculty, 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 instructors, they share a serious commitment to the education of gifted and talented youth.

**Attendance**
Students should plan on attending daily and always being on time. As the instructors’ expectations are high and classes are active and challenging, students who are late or absent will miss important lessons and instructions. Even one absence
Elementary Division

will make it difficult to keep pace. If you know in advance that the student will miss more than two classes, you should not apply. Students who incur more than two absences for any reason may be dropped from the program. Also, students will be dropped if they miss the first two days of class.

**Admissions Criteria and Evaluation Procedures**

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. Official school designation of “gifted” is not required for admission to ATDP. Admission requirements include standardized achievement test scores (for third-graders and up), a Teacher Recommendation Form, a report card or progress report, and a student writing product or essay (such as a sample of creative writing, a social studies report, or a science experiment write-up).

While returning students receive preference in placement, each year that they re-apply they must demonstrate continued excellence in academic achievement as well as good work habits and citizenship. This is done by turning in the newest copies of the report card and test scores with the application, as well as a Teacher Recommendation Form and product or essay. A returning student is anyone who has attended ATDP in the past, even if it was years ago. A student who applied in a previous year and then withdrew without ever completing a course will be considered a new student for admissions purposes.

When making decisions about course placement, we generally recommend that parents discuss all the course options with their children and that they choose together the classes that best capitalize on the children’s academic strengths and deep interests. Please note that applicants must have completed Kindergarten by June 2010.

It is advantageous for returning and new applicants to submit their applications early, preferably well BEFORE the deadlines. The date an application is complete is an important factor in determining course placement. An application is not considered complete and ready for evaluation until we receive ALL supporting documents. Delay in receiving documents will delay the evaluation of a student’s application. Applications received after the deadline will be considered only on a space-available basis. Incomplete applications are not considered for placement.

**Course Placement for Students Completing 6th Grade**

New ATDP applicants who will be completing 6th grade in June 2010 should apply to the Elementary Division (ED); they are not eligible for the Secondary Division (SD). The ED offers courses that challenge...
**Fees & Tuition**

**Q** How do you decide about financial aid?

**A** We look at a family’s tax return to determine total available resources. We make every attempt to help families with limited resources.

**Q** A drastic change in our financial situation is not reflected on our tax return. What should I do?

**A** Attach a letter explaining your situation, as well as any supporting documents (e.g., unemployment forms), to the tax forms and Schedules you submit.

In most cases, returning ED students who are completing 6th grade should apply again to ED. In general, it is more developmentally appropriate for them to do so because they often do not yet possess the requisite independent study skills for Secondary Division (SD) courses. However, they are also eligible to apply for a few courses in the SD (see box on p. 18). Spaces in select six-week SD courses are reserved for exceptional students who are ready to take on the challenge of demanding, rigorous coursework on the UC Berkeley campus. A former ED student who wants to apply to the SD must complete an SD application and will be considered a new SD student for application purposes. Note that the SD new student application deadline is Wednesday, March 3. Since placement in SD is not guaranteed, the SD application should also include acceptable ED course choices as alternatives.

**CONTINUITY**

Many students return summer after summer, taking advanced courses they could not have taken at their regular schools. ATDP is committed to serving returning students through their elementary, middle, and high school years. See p. 6 for information on ATDP’s Secondary Division for students who are completing any grade level from seven to eleven.

**PROCESSING FEE**

Along with the completed application, send your non-refundable processing fee check for $50 to the ATDP office. The processing fee is separate from tuition, so it is not subtracted from the amount due for tuition. Checks should be made out to “UC Regents.” Write the student’s first and last name and “ED” on the check’s memo line.

**TUITION AND MATERIALS FEES**

The combined tuition and materials fees is $572. For families with brothers and/or sisters attending ATDP, the sibling discount is $35 per student. For example, if three siblings attended, each would receive one $35 discount from tuition. To determine the fees for a particular course, look for it in the Course Descriptions section (pp. 9-18). Do NOT send payment for tuition and materials fees when you apply. We will include total fees due minus financial aid award, if any, in the student’s admissions packet, which will be mailed on Friday, April 30, 2010. Students will have until June 2 to send to ATDP their tuition and materials fees (or balance of tuition, if the student was awarded partial financial aid). If a family needs to pay in installments, the first payment of at least $100 must be postmarked by June 2, and the balance must be paid in full by July 30. Please pay by check or money order (we are unable to take payments in cash, but are now accepting credit card payments if you apply online).

If payment of the processing fee or the tuition and materials fees presents a financial hardship, please see the Financial Aid section below for additional information.
Financial Aid

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

To apply for financial aid, submit one photocopy of your official, signed 2009 Federal Income Tax Return AND all Schedules per applicant. We require the tax forms of both parents. Your W-2 Form cannot take the place of your income tax return. For preliminary consideration and to avoid delay in submitting your application, you may submit your 2008 return if your 2009 return is not yet available. We may ask for your 2009 return at a later date. Do not send original documents. If there are special circumstances, please submit a letter of explanation and photocopies of any supporting documents. Requests for financial aid are due by the application deadline of Wednesday, March 31, 2010. We cannot consider applicants for financial aid after this deadline.

PlACEMENT DECISIONS

On Friday, April 30, 2010, ATDP will mail all applicants a letter informing them whether they have been accepted. Acceptance packets will include the students’ course placements. Students then must notify ATDP whether they will be attending by Wednesday, June 2, 2010. Failure to notify ATDP in writing by that date will result in an obligation to pay the full amount of the tuition.

REFUND POLICY

A registered student who is unable to attend must withdraw, in writing, and may request a tuition refund. Prior to the deadline of Thursday, June 17, 2010, tuition payments are refundable. After June 17, the refund amount will be a portion of the tuition; a detailed refund schedule will be included in the acceptance letter. No refunds will be made in the case of a student who fails to attend classes, fails to complete homework, or fails to meet the standards of appropriate conduct. The $50 processing fee is also non-refundable.
SPORTS CAMP OPPORTUNITY IN CONJUNCTION WITH ED COURSES

For a separate fee, the UC Berkeley Recreational Sports Department Cal Youth Outdoor Programs (CYOP) offers an on-site sports camp for ATDP students. In addition to sports, this camp also offers recreational and art activities (drama, crafts, board games, etc.). Students enrolled in either morning or afternoon classes will have the opportunity to participate in a sports camp which is held at Washington School and is developed by CYOP especially for our students. By combining a half-day ATDP class with the half-day sports camp, participating students will have a full day of activity and balance between academics and sports. Students who enroll in ATDP morning classes will be met at their classrooms at noon by Sports Camp staff, who will supervise the students during lunch and then lead them in a range of sports and activities until 4:15 p.m. Students who enroll in ATDP afternoon courses will meet the CYOP staff at 8:45 a.m. and will participate in sports and activities and a supervised lunch until they are taken to their classrooms at 1:00 p.m. For additional fees, CYOP also offers extended care before 8:30 a.m. and after 4:30 p.m., as well as sports camp on Wednesdays. CYOP is planning to have all of these special activities either at Washington School or within walking distance of the school.

This special program is available only to students enrolled in the Academic Talent Development Program. If you wish to receive enrollment and fee information from CYOP, be sure to complete the attached (blue) card, and CYOP will send the information to you directly.

CYOP also offers a full slate of exciting activities that are open to the community at large. If you would like to receive further information regarding their summer offerings, please call 510-643-2267 or check out their website at http://calbears.berkeley.edu

WEDNESDAY EXPLORATIONS

In addition to its regularly scheduled courses, ATDP offers, through its Wednesday Explorations program, a range of optional classes, workshops, and activities. They serve to supplement the Elementary Division's 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 writing workshop on Wednesdays. Others may decide to explore mathematics even further. Yet other students may select a chess or a crafts class. Wednesday Explorations are offered in the morning and can be supplemented with CYOP sports camp in the afternoon. The Explorations program guide and enrollment sheet will be sent to students in early May along with their notifications of acceptance into ATDP. Only attending students can enroll in the Explorations program.

MOVING FROM THE ELEMENTARY DIVISION TO THE SECONDARY DIVISION (SD)

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.

SECONDARY DIVISION

GRADES 7 THROUGH 11

DATES
June 21 to July 30, 2010

LOCATION
UC Berkeley Campus

SCHEDULE
8:30 a.m. to noon, or 1:00 to 4:30 p.m.
Two or three days per week

FOR MORE INFORMATION:
Visit ATDP's website at http://atdp.berkeley.edu or to receive a catalog, send a self-addressed, stamped ($1.56), 9" x 12" envelope to the ATDP office (address on back cover); indicate “SD” in the lower left corner of the return envelope.
**Location**

Washington School is located at 567 Wine Street in Point Richmond, nine miles northwest of UC Berkeley. It is near the eastern anchorage of the Richmond-San Rafael Bridge.

**Transportation**

- For students and their families interested in forming carpools, ATDP provides a list of other students from their area who are also interested in carpooling. Families then contact each other and form their own carpools. Carpool lists are available only to students who have been accepted into the program and who are themselves on the lists. They are available a few weeks before classes begin.
- A shuttle bus will be available between El Cerrito del Norte BART Station and Washington School. Detailed fee and reservation information will be included with the acceptance packet.

**Driving Directions to Washington School, Point Richmond**

**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. Continue on Cutting for one block and turn left onto Wine Street, just after the railroad tracks. Washington School is on the right.

**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 Garrard Blvd. Follow Garrard to Cutting Blvd. Turn left onto Cutting, and then right onto Wine Street. Washington School is on the right.

**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. Continue on Cutting for one block and turn left onto Wine Street, just after the railroad tracks. Washington School is on the right.
Frequently Asked Questions

Catalogs and Applications

Q: How do we get another catalog/application?
A: You will find the information from the catalog and a downloadable application at http://atdp.berkeley.edu. You may also photocopy a blank application. For a new catalog, either come to the office or send a self-addressed, stamped ($1.56), 9" x 12" envelope to the ATDP office (see back cover for address). Please indicate “ED” for Elementary Division (this catalog) or “SD” for Secondary Division in the lower left corner of the return envelope.

Q: Can I turn in a late application?
A: While we do accept late applications on a space-available basis, we strongly recommend that you submit your completed application as early as possible, before the deadlines. Completed applications are reviewed in the order they are received. In past years, most classes filled with qualified students who turned in their applications before the deadlines.

∗ For more on application submission deadlines, see the Calendar on p. 1.

Admissions and Course Placement

Q: What are my chances for admittance?
A: A typical ATDP student is in very good standing in regard to both academic achievement and conduct. Students with low conduct marks or poor work habits or citizenship are not eligible for admission.

Q: Would I be allowed to take a class above my grade level?
A: If there is a compelling reason that you should take such a class, include a petition letter with your application. Remember that grade level refers to the grade you are completing in June 2010. Besides having superior academic abilities, students accelerating a grade level should also be socially mature and have advanced fine motor skills.

Q: My sister and I need to have class at the same time. What can I do to assure that we can commute together?
A: Attach notes to both of your applications indicating that you need to come together and stating which time (AM or PM) you prefer. If you would like to be scheduled at the same time, but are able to attend only in the morning or in the afternoon, please indicate this too.

Q: Will I be placed in my first choice class?
A: When possible, students receive their first choice class. Complete applications are evaluated in the order that they are received. First preference is given to returning students; however, to increase their chances of being placed in their first choices, both new and returning students should submit their completed applications well before the deadline. If two similarly qualified students apply, the application completed first will be given first preference. Make sure that all of your course choices are suitable for your grade level.

∗ For more on admissions and course placement, see p. 3.

Reporting Achievement Test Scores
(For third grade and above)

Q: I haven’t taken an achievement test in a long time. What can I do?
A: If you’ve taken an achievement test in the last three years, submit your latest scores. If you have never taken an achievement test, or have not taken one in the last three years, indicate this in a note mailed in with your application. This note must be signed by an administrator at your school and have a school stamp.

Q: The achievement test I took isn’t on your list. Will you still accept it?
A: If the test was administered by your school and your scores are reported with national percentiles, you may submit your test scores. Otherwise, see the instructions for the previous question.

∗ For more on achievement tests, see p. 2 of the application form.
Course Descriptions

Select courses based on the grade the student will complete in June 2010. Faculty listed are subject to change.

COMPLETING KINDERGARTEN IN JUNE 2010

No homework

Completing Kindergarten in June 2010

Oviparous Animals
An “Egg-citing” Adventure (AM or PM)

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<tr>
<td>3001</td>
<td>8:30–12:00</td>
<td>Cristol Lee Park</td>
</tr>
<tr>
<td>3002</td>
<td>1:00–4:30</td>
<td>Cristol Lee Park</td>
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Tuition: $475 • Materials fee: $67 • Total: $542

In this class, we explore animals that hatch from eggs. Students use the scientific methods of observation, hypothesis testing, experimentation, and conclusion to further our learning in egg dissecting and egg properties. We also examine many types of eggs to learn about their size and strength, and how they protect the embryo inside. Students learn about various animals that hatch from eggs, including birds, insects, arachnids, amphibians, and reptiles as well as animals that live in water. Finally, after constructing “safe” containers in which an egg will be placed, they will drop a container from a height of nine feet and discover which design is best suited for protecting the egg.

Tide Pools (AM or PM)

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<td>3003</td>
<td>8:30–12:00</td>
<td>S. Patel &amp; D. Castillo-Shadic</td>
</tr>
<tr>
<td>3004</td>
<td>1:00–4:30</td>
<td>S. Patel &amp; D. Castillo-Shadic</td>
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Tuition: $475 • Materials fee: $67 • Total: $542

Our goal is to introduce students to how plants and animals in California’s tide pools depend on each other to live. We will study different tidal pool relationships using methods of investigation in both earth and life sciences. Using the scientific methods of observation, hypothesis testing, experimentation, and conclusion, we will further our learning in such subjects as water chemistry and animal anatomy. The inner and outer workings of the tide pool plants and animals will be brought to life with different projects in drama, arts and crafts, and daily journals. Other activities include a squid dissection and a marine touch-tank presentation.

Q: Am I still a returning student if I haven’t attended in a few years?
A: Yes, you are!
Completing First Grade in June 2010

Homework: up to 20 minutes per day

Mathmagic! (AM or PM)

| 3011 | 8:30–12:00 | Jody Goodman & Sacha Moustakas |
| 3012 | 1:00–4:30  | Jody Goodman & Sacha Moustakas |

Tuition: $475 • Materials fee: $67 • Total: $542

Grab your hat and wand and join in the fun! In this class, we will be developing our pre-algebra and reasoning skills while continuing to master our basic math operations. We will investigate binary numbers, the Fibonacci sequence, googols, and more. After reading engaging folktales from around the world, we will follow up with intriguing mathematical investigations. We will play logic and reasoning games like Pico, Ferme, Bagel, and NIM. Throughout the class, we will be learning math “tricks” that we will share on the last day of class in our magic show.

Sea Studies (AM or PM)

| 3013 | 8:30–12:00 | Eden De Guzman |
| 3014 | 1:00–4:30  | Eden De Guzman |

Tuition: $475 • Materials fee: $67 • Total: $542

In this oceanography course for beginners, we will have a whale of a good time exploring the abundant and varied life of giant kelp beds and the world of the ocean depths. The goal of this class is to explore, examine, and understand the interdependence of various plants and animals in different tidal zones. We will study a variety of topics: oceanic ecosystems, the ways plants and animals of the ocean survive, the ways predators and prey use the seascape for camouflage and concealment, and the effects of the tides and currents on plants and animals.

We will work on identifying relationships between living things and their environment and record what we learn in our science journals. We will also use writing projects and dramatic play to communicate what we have learned. Applying our knowledge of the sea, we will construct art models of the wonderful underwater world.

Exceptionally well-prepared first graders may also apply for course 3021 or 3022, Folk Tales from Around the World (see p. 11).
Completing Second Grade in June 2010
Homework: up to 20 minutes per day

NEW COURSE!

Folktales from Around the World: The Art of Storytelling (AM or PM)

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<td>3021</td>
<td>8:30–12:00</td>
<td>Laura Schooley</td>
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<tr>
<td>3022</td>
<td>1:00–4:30</td>
<td>Laura Schooley</td>
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</tbody>
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In this course, via folktales and fables from around the world, we will gain important literary, art, and geography skills as we hear and tell wonderful stories. In groups we will read and compare different tales to learn about the important lessons that they teach. We will learn to become accomplished storytellers ourselves as we explore universal themes and story components, practice the techniques of projection, pace, and dramatic flair, and apply all of this knowledge to create original folktales that will be performed before parents and guests at our Folk Tale Festival. Come join us in learning how to develop your personal art of storytelling within a multi-cultural frame of reference.

Exploring Light and Vision (AM or PM)

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<td>3023</td>
<td>8:30–12:00</td>
<td>Jennifer Pfotenhauer</td>
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<tr>
<td>3024</td>
<td>1:00–4:30</td>
<td>Jennifer Pfotenhauer</td>
</tr>
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Tuition: $475 • Materials fee: $67 • Total: $ 542

When you look in a mirror, why does it seem like you’re inside the mirror? How do optical illusions play tricks on us? What exactly is light anyway? In this course, we will investigate the basic properties of light and how our minds perceive visual information. Through hands-on activities we will study depth perception, the persistence of vision, reflection and refraction, parts of the eye, light waves, and many other topics. We will also build kaleidoscopes, periscopes, and projectors. Throughout the course, our focus will be on exploring the relationship between light, vision, and how we perceive the world.

Applying Mathematics (AM or PM)

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<tr>
<th>Course</th>
<th>Time</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>3025</td>
<td>8:30–12:00</td>
<td>Ralph Elder</td>
</tr>
<tr>
<td>3026</td>
<td>1:00–4:30</td>
<td>Ralph Elder</td>
</tr>
</tbody>
</table>

Tuition: $475 • Materials fee: $67 • Total: $ 542

In this course, we will approach mathematics as a sense-making endeavor as we apply our math skills to games, logic puzzles, and story problems related to real-life experiences. We will record our thinking in math journals, and learn to communicate about mathematics in ways that require us to be creative thinkers, approach problems in a systematic or logical way, observe patterns, and generalize our findings. Throughout the course, students will work individually and in groups, with an emphasis placed on the importance of communication, mathematical risk-taking, and the value of diverse approaches for solving problems.
Rainforests (AM or PM)

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<tr>
<th>Course</th>
<th>Time</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>3027</td>
<td>8:30–12:00</td>
<td>Carol Ponzio</td>
</tr>
<tr>
<td>3028</td>
<td>1:00–4:30</td>
<td>Carol Ponzio</td>
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</tbody>
</table>

Tuition: $475 • Materials fee: $67 • Total: $542

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.

Jazz Up Your Writing

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<tr>
<th>Course</th>
<th>Time</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>3029</td>
<td>8:30–12:00</td>
<td>Patrick Hamilton</td>
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</table>

Tuition: $475 • Materials fee: $67 • Total: $542

In this course, we will explore the intersection of language, poetry, and music. Our musical journey begins with a focus on the rhythm of language. We will learn about using rhetorical devices such as personification, onomatopoeia, and metaphors to improve our descriptive writing and to analyze themes. Moving on to the interlude, we will work independently and as a group to develop original songs, which will be set to acoustic guitar accompaniment. The crescendo of our composition will include working together to create a class song book, which will showcase our songs, creative writing, and use of literary devices. Our finale will include publication and performance of our original compositions, both musical and written. Come join the band!

What do the materials fees pay for?

In addition to the supplies and equipment used in class, the fees also cover photocopying and field trips.
Completing Third Grade in June 2010
Homework: up to 20 minutes per day

Authors’ Corner (AM or PM)

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<th>Course</th>
<th>Time</th>
<th>Instructor</th>
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<tr>
<td>3031</td>
<td>8:30–12:00</td>
<td>Heather MacLeod</td>
</tr>
<tr>
<td>3032</td>
<td>1:00–4:30</td>
<td>Heather MacLeod</td>
</tr>
</tbody>
</table>

Tuition: $475 • Materials fee: $67 • Total: $ 542

Authors’ Corner is a writing workshop for students who love to write. We will write about what is important to us—true stories about our lives, fiction, and poetry. We will observe the world, tell stories aloud, and then write about our observations and stories. We will read books to learn how authors create suspenseful plots and engaging dialogue. We will write informally in journals, and revise and edit a finished piece of fiction.

Human Anatomy (AM or PM)

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<tr>
<th>Course</th>
<th>Time</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>3033</td>
<td>8:30–12:00</td>
<td>Joey Vega</td>
</tr>
<tr>
<td>3034</td>
<td>1:00–4:30</td>
<td>Joey Vega</td>
</tr>
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</table>

Tuition: $475 • Materials fee: $67 • Total: $ 542

Our study of anatomy will consist of hands-on student projects—including students’ constructions of life-sized models of themselves from the inside out—and dissections of animal bones, skin, muscles, hearts, lungs, liver, kidneys, and eyes (all fresh specimens from a local inspected meat-packing house). We will also study some related chemistry, art, mythology (e.g., Achilles’ heel), and history. Parent volunteers are encouraged and welcome to participate in our class.

Those Wonderful Simple Machines! (AM or PM)

<table>
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<tr>
<th>Course</th>
<th>Time</th>
<th>Instructor</th>
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<tr>
<td>3037</td>
<td>8:30–12:00</td>
<td>Michele Harrison</td>
</tr>
<tr>
<td>3038</td>
<td>1:00–4:30</td>
<td>Steve Monson</td>
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</table>

Tuition: $475 • Materials fee: $67 • Total: $ 542

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.

Q Should I encourage my child to take a class outside his or her area of greater strength?
A We generally recommend that parents discuss all the course options with their children and that they choose together the class that best capitalizes on the children’s academic strengths and deep interests. When making course selections, remember that ATDP classes move at a rapid pace, and it is important that all students be willing and able to keep up with the challenging work.

Exceptionally well-prepared third graders may also apply for course 3041 or 3042 Artists’ Studio or course 3043 or 3044 Math for Scientists (see p. 14).
Energy

Tuition: $475 • Materials fee: $67 • Total: $542

In this course, we will discuss the concept of energy and the law of conservation of matter and energy. We will explore different types and forms of energy, including kinetic vs. potential, mechanical, chemical, electrical, and solar. Through hands-on laboratories, we will explore the properties and transformations of these various forms of energy. Through writing and classroom discussions, we will develop critical thinking skills by taking an inquiry approach to learning about everyday uses of energy. Class projects include making a battery, creating electric circuits, designing and making a solar racecar, and designing an advertising campaign to encourage the use of renewable energy.

NEW COURSE!

Math for Scientists (AM or PM)
...and Architects, and Engineers, and Jugglers

Tuition: $475 • Materials fee: $67 • Total: $542

Scientists are problem solvers and use math all the time in their work, but so do all sorts of other interesting occupations like architects, artists, jugglers, business people, and engineers. In this class, we will explore a variety of exciting problem solving opportunities that come up in the real world, and where math is a useful tool. We’ll learn math while triangulating to locate a forest fire, laying out buildings and gardens, modeling the relative size of planets, and tessellating patterns in art and architecture. Students will work both collaboratively and independently to exercise their mental muscles and present solutions to problems. Who knows what we’ll discover?

NEW COURSE!

The Artists’ Studio (AM or PM)

Tuition: $475 • Materials fee: $67 • Total: $542

Of course, this class is for students who love to draw. But most of all, it’s a class for students who want to learn new ways of seeing and thinking. We will develop our drawing skills through observation and technique as well as our imaginations. In our exploration, we learn much about color theory, composition, line and texture; we will use pastels, charcoal, collage, and watercolor. We will have fun creating our artist portfolios and writing our artist statements.

May I take two classes?

While Elementary Division students may NOT take two classes, you may choose to supplement your ATDP class with on-site sports camp (see p. 5).
Critic’s Corner: Exploring the Genre of Review Writing (AM or PM)

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<tr>
<th>Course Code</th>
<th>Time</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>3045</td>
<td>8:30–12:00</td>
<td>Lyda Butler</td>
</tr>
<tr>
<td>3046</td>
<td>1:00–4:30</td>
<td>Lyda Butler</td>
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</table>

Tuition: $475 • Materials fee: $67 • Total: $542

Do you like watching movies and talking about them? Would you tell your friend to read the latest Harry Potter or Diary of a Wimpy Kid? Do you own a Mac or a PC? Nintendo Wii or Microsoft XBox? In a highly advertised world, we are bombarded with reviews and recommendations for just about everything. From movies to music, everyone has an opinion! Now it's time to hear from you! If you're bursting with ideas about your favorite books, ice cream, movies, technological gadgets, or video games, then this class is for you. If you have a passion for creativity and want to improve your writing skills, I’ve got a notebook with your name on it and can’t wait to meet you!

Going Global: Geography, Art, and Culture

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<tr>
<th>Course Code</th>
<th>Time</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>3049</td>
<td>8:30–12:00</td>
<td>Lily Aguas</td>
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</table>

Tuition: $475 • Materials fee: $67 • Total: $542

Our global adventure will take us to all seven continents. On our way, we will learn about physical and cultural geography through projects and activities, which will include crafts, drawing, games, music and writing. We will learn about the maps and isolines, the four cardinal directions, landforms, bodies of water, biomes, as well as ancient civilizations, world cultures, games, foods, and celebrations. We will explore and learn about the people, places, and animals found all over the world. A few of the many cultures we will explore are the Maya of Guatemala, the Yoruba of Nigeria, and the Aboriginal dreamtime artists of Australia. Activities will include creating relief maps, exploring Chinese printing and papermaking, and making a thaumatrope to amuse our family and friends.

Fluid Physics (AM or PM)

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<tr>
<th>Course Code</th>
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<th>Instructor</th>
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<tr>
<td>3047</td>
<td>8:30–12:00</td>
<td>Bob Fabini</td>
</tr>
<tr>
<td>3048</td>
<td>1:00–4:30</td>
<td>Bob Fabini</td>
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Tuition: $475 • Materials fee: $67 • Total: $542

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.

Q Should students have prior experience in a lab setting before taking a hands-on science course?

A No prior lab experience is required. ATDP lab instructors teach and emphasize safety at all times.
Completing Fifth Grade in June 2010

Homework: up to 30 minutes per day

Writers at Work (AM or PM)

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<thead>
<tr>
<th>Course</th>
<th>Time</th>
<th>Instructors</th>
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</thead>
<tbody>
<tr>
<td>3051</td>
<td>8:30–12:00</td>
<td>Pooja Govil &amp; Anne Kaffka</td>
</tr>
<tr>
<td>3052</td>
<td>1:00–4:30</td>
<td>Pooja Govil &amp; Anne Kaffka</td>
</tr>
</tbody>
</table>

Tuition: $475 • Materials fee: $67 • Total: $542

Using imagination and creativity, we will work to develop our thoughts and ideas, making them come alive on paper. We will work through the various stages of the writing process as we practice pre-writing, writing, revising, peer- and self-editing. Each day, we will spend time making a new entry in our writers’ workshop journals as well as studying various writing techniques. Over the course of the three weeks, we will put together writing portfolios that include poems and short stories that highlight our growth and development as writers.

Lab Chemistry (AM or PM)

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<tr>
<th>Course</th>
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<th>Instructors</th>
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<tbody>
<tr>
<td>3053</td>
<td>8:30–12:00</td>
<td>Megan Gerdts &amp; Gene Csider</td>
</tr>
<tr>
<td>3054</td>
<td>1:00–4:30</td>
<td>Megan Gerdts &amp; Gene Csider</td>
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Tuition: $475 • Materials fee: $67 • Total: $542

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 observations. 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, testing toothpaste for desirable properties, 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 plan and perform a chemistry “magic” show.

Creating Music, Movies and Games with Computers (AM or PM)

<table>
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<tr>
<th>Course</th>
<th>Time</th>
<th>Instructors</th>
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<tbody>
<tr>
<td>3055</td>
<td>8:30–12:00</td>
<td>Colleen Lewis</td>
</tr>
<tr>
<td>3056</td>
<td>1:00–4:30</td>
<td>Colleen Lewis</td>
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</tbody>
</table>

Tuition: $475 • Materials fee: $67 • Total: $542

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! In addition to taking copies of your projects home, we will make a gallery on the Internet with all of the creations from our class, so 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.

NOTE: with parental permission, some students may be videotaped.

Exceptionally well-prepared fifth graders may also apply for course 3061 or 3062 Human Anatomy or course 3063 or 3064 Extra-Terrestrial Trigonometry (see p. 17).
Q I know that I will be absent for several days. May I still take an ATDP class?

A If the absence will be for more than two days, you may not. If the absence will be for two days or fewer, talk to your instructor before the planned absence. You may not miss the first two days of class.

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

A No. We always start by attempting to place students in their first choice and only look at the alternates if the class is filled or if a student’s application is not competitive for that class.

Human Anatomy & Physiology (AM or PM)

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<tr>
<th>Course</th>
<th>Time</th>
<th>Instructors</th>
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<tbody>
<tr>
<td>3061</td>
<td>8:30–12:00</td>
<td>Paul Bruno &amp; Patty Holman</td>
</tr>
<tr>
<td>3062</td>
<td>1:00–4:30</td>
<td>Paul Bruno &amp; Patty Holman</td>
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Tuition: $475 • Materials fee: $67 • Total: $542

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. You’ll never look at your body the same way again!

Extra-Terrestrial Trigonometry (AM or PM)

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<th>Course</th>
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<th>Instructor</th>
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<tbody>
<tr>
<td>3063</td>
<td>8:30–12:00</td>
<td>Daniel Wolf-Root</td>
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<tr>
<td>3064</td>
<td>1:00–4:30</td>
<td>Daniel Wolf-Root</td>
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</table>

Tuition: $475 • Materials fee: $67 • Total: $542

How do we know where the stars will shine tomorrow? How were the pyramids built? How are two-dimensional maps of a three-dimensional world made? How does an airplane or ship navigate? In this class, we’ll see how people from all over the world, for centuries and today, have used trigonometry to help think about these ideas and more. We will cover some basic algebra and beautiful geometry, as well as investigate relationships in the terrestrial and extra-terrestrial worlds. By the end of the class, you’ll see how circles, triangles and waves are all related.
Writing for Secondary School (AM or PM)

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<th>Course</th>
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<tr>
<td>3065</td>
<td>8:30–12:00</td>
<td>Chris Chun</td>
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<tr>
<td>3066</td>
<td>1:00–4:30</td>
<td>Chris Chun</td>
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</table>

Tuition: $475 • Materials fee: $67 • Total: $542

This class will focus on the writing process: pre-writing, drafting, editing, and revising. 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. Each of us will keep a journal and will read a variety of stories, essays, and explanatory materials.

Cosmic Wonders:
A Beautiful Chaos (AM or PM)

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<th>Course</th>
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<tbody>
<tr>
<td>3067</td>
<td>8:30–12:00</td>
<td>Emily Chan &amp; Lindsay Wells</td>
</tr>
<tr>
<td>3068</td>
<td>1:00–4:30</td>
<td>Emily Chan &amp; Lindsay Wells</td>
</tr>
</tbody>
</table>

Tuition: $475 • Materials fee: $67 • Total: $542

Up in the sky, look! It’s a bird... it’s a plane... no, it’s a Supergiant! Have you ever looked up into the night sky and wondered about the planets, stars, and beyond? This course will take you on a journey through space and time, covering cosmic topics such as galaxies, stellar evolution, black holes, quasars, and more! From the Big Bang theory to groundbreaking research in the search for exoplanets and extraterrestrial life, this course will introduce you to the elegant mysteries of the cosmos and illuminate dramatic events taking place across the Universe.

Additional Option for Returning ED Students

Returning ED students who will be completing Sixth Grade in June 2010 are also eligible to apply to the following courses in the Secondary Division (SD) on the Berkeley campus:

- 3000 The Writing Process (any section)
- 3013 Drawing & Design
- 3040 Foundations of Algebra (AM or PM)

Spaces in these six-week courses are reserved for exceptional students who are ready for the challenge of demanding, rigorous coursework. The Director will determine admission and placement. NOTE: New ATDP applicants who will be completing 6th grade in June 2010 are not eligible for the Secondary Division.

Students who decide to apply to SD must complete an SD application, available for download from our website at http://atdp.berkeley.edu. Former ED students applying to SD are considered new students for application purposes. The SD application deadline is Wednesday, March 4. Apply early!

Since placement in SD is not guaranteed for sixth graders, the SD application should also include acceptable ED course choices as alternatives.
The following seven items are required for a complete program application:

1. Application Information Form
   • Please complete the online Application Information Form at [http://atdp.berkeley.edu/apply](http://atdp.berkeley.edu/apply).
   • Once you have submitted the online form, PRINT the completed form, sign the Statement of Commitment at the bottom, and mail it with the rest of your application documents.
   • If you are unable to access the form online, a paper version is included on the next page. Those without internet access can type or complete the form by hand and include it with the application packet.

2. Teacher Recommendation Form
   • Give the Teacher Recommendation Form on pages 27 and 28 of this catalog to your current teacher in an academic subject (e.g., mathematics, science, language arts).
   • You may ask a teacher who teaches you in a course outside the subject area for which you are applying.
   • Your teacher should complete the form, seal it in an envelope you provide, sign his or her name across the sealed flap, and then return the envelope to you.

3. Photocopy of Report Card
   • Submit a legible copy of your most recent report card for the current (‘09 – ‘10) school year.
   • If you need assistance obtaining a copy, ask in your school office.
   • Do not delay submitting your application while waiting for a newer report card.

4. Photocopy of Achievement Test Scores (for students completing third grade and up)
   • Include a photocopy of your most recent STAR test results (from 2009, 2008, or 2007). Please submit both sides of the report.
   • If you have not taken the STAR test, please send photocopied results of other standardized achievement tests that report national percentile (NPR) scores (e.g., ERB–Educational Records Bureau CTP or ISEE; SAT–Stanford Achievement Test; IOWA or ITBS–Iowa Test of Basic Skills; SSAT–Secondary School Admission Test).
   • Do NOT submit the College Board SAT or PSAT scores.
   • If you have not taken a standardized achievement test in the past three years, include a signed note with the school stamp from an administrative staff person at your school indicating so.

5. Inventory of Activities
   • On a separate sheet of paper, list all activities in which you have participated in the following areas:
     (a) school and academic activities
     (b) athletic activities
     (c) community activities (e.g. scouting, youth organizations)
     (d) visual and performing arts (e.g. drawing, dance, music)
   • For each activity listed, please indicate:
     (a) how many years you have participated in the activity
     (b) any leadership positions you have held.
6. Academic Product or Essay

Please submit a written product from one of the two options below:

• **Option A:** Submit a piece of original written work that shows your own thought. This work should be one of which you are especially proud and which was completed since September 2009. While the work may have been done for a school assignment, it need not have been. The product you submit need not be in the same subject area to which you are applying. Examples of appropriate products include English essays, social studies reports, and science project write-ups. Examples of unacceptable products include drawings not accompanied by original writing, spelling tests, arithmetic exercises, fill-in-the-blank worksheets, and multiple choice tests. While you may submit photos, videos, tapes, or drawings in support of your work, they may not be submitted in place of original writing. We cannot return your work, so please submit clear photocopies of your originals.

• **Option B:** Please write your own answer to one of the questions listed for your grade level. You may either write in ink on lined paper, or use a computer. Students currently in Kindergarten or Grade 1 may write their answer or dictate to an older person.

**For students in Kindergarten to Grade 1 (choose one):**
1. Tell about a game you made up. How is it played? Do you play it with your family or friends? (You may dictate your essay.)
2. What do you like to do on a rainy day? (You may dictate your essay.)

**For students in Grade 2 to Grade 4 (choose one):**
1. If you wrote a book, what story would it tell? Why is this story an important one?
2. Write about a goal you have achieved during the past year that now permits you to do something very important to you. What was the goal and why did you set it? What knowledge and skills did you need to need to acquire before you attained this goal?

**For students in Grade 5 to Grade 6 (choose one):**
1. Describe a local, national, or international news story that you follow closely. What are your sources of information? To whom is this event or situation important? Why?
2. In his inaugural address in 1961, President Kennedy said, “And so, my fellow Americans: ask not what your country can do for you—ask what you can do for your country.” Almost 50 years later, during his 2008 campaign for party nomination, President Obama said, “Change will not come if we wait for some other person or some other time. We are the ones we’ve been waiting for. We are the change that we seek.” Explain in detail what these two statements mean to young people today. How have the role and responsibility of young people changed in the years between the two statements? How have they stayed the same?

7. Processing Fee

Enclose a $50 non-refundable processing fee. If this poses a financial hardship, see “Financial Aid Information” below.

• If paying by credit card:
  • Submit a printout of your online credit card payment receipt.
  • In order to pay by credit card, you must first complete the Application Information Form online. After submitting this form, you will receive instructions on how to complete your credit card payment. Only forms completed online offer the ability to pay by credit card.

• If paying by check or money order:
  • Make checks and money orders payable to “UC Regents”
  • Write “ED” and the student’s first and last name on the memo line of the check or money order.

The following two application items are optional:

**Postcard**

• Stamp (28¢), self-address, and include the postcard that is provided for you in this application packet. We will return the postcard to you with the details of your application status.

**Financial Aid Information**

• If you are applying for financial aid, please submit your family’s most recent Federal Tax Return AND all Schedules. An invoice for fees due and the amount of financial aid awarded (if any) will be included in the student’s acceptance packet, which will be mailed on Friday, April 30, 2010.

• If the $50 processing fee poses a financial hardship, please submit a letter of explanation and supporting documents listed above.

**CHECKLIST** (Make sure you have included all required documents in the order below!)

- Application Information Form (online submission printout OR completed form from catalog) with signed Statement of Commitment
- Processing fee ($50): credit card payment receipt OR check payable to “UC Regents” OR signed note of explanation if this poses a financial hardship
- Postcard (enclose stamped and self-addressed postcard to be notified of application status)
- Teacher Recommendation Form, sealed and signed
- Photocopy of most recent report card
- Photocopy of achievement test scores OR signed, stamped note from school administrative staff
- Interest inventory of activities (on a separate sheet)
- Academic product (completed after September 2009) OR essay (see prompts above)
- Federal Tax Return and all Schedules (if applying for need-based financial aid ONLY)

Place all the required documents between the instructions and application form.

ED Application Instructions page 2
**UC BERKELEY ACADEMIC TALENT DEVELOPMENT PROGRAM**

Graduate School of Education • 3639 Tolman Hall • Berkeley, CA 94720-1670 • 510-642-8308

http://atdp.berkeley.edu

**SUMMER SESSION 2010 • ELEMENTARY DIVISION (ED) APPLICATION INFORMATION FORM**

**APPLICATION ITEM 1 OF 7**

Your application will not be considered complete and ready for evaluation until we receive ALL required documents. Delay in receiving documents will delay the evaluation of your application. This applies to new AND returning students.

IMPORTANT: See application instructions on the previous page.

### I. Basic Information

<table>
<thead>
<tr>
<th>LAST NAME</th>
<th>FIRST NAME</th>
<th>MIDDLE INIT.</th>
<th>SEX (F/M)</th>
<th>DATE OF BIRTH</th>
<th>AGE</th>
</tr>
</thead>
<tbody>
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<table>
<thead>
<tr>
<th>STREET ADDRESS (&amp; APT. NO.)</th>
<th>CITY</th>
<th>STATE</th>
<th>ZIP</th>
<th>HOME PHONE</th>
</tr>
</thead>
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</table>

<table>
<thead>
<tr>
<th>GRADE</th>
<th>NAME OF SCHOOL</th>
<th>SCHOOL ADDRESS</th>
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</thead>
<tbody>
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</table>

<table>
<thead>
<tr>
<th>PARENT’S NAME (PRINT)</th>
<th>PARENT’S E-MAIL</th>
<th>PARENT’S DAYTIME PHONE</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

CHECK STATUS: ☐ New Applicant ☐ Returning ED Year last attended : ☐ SD ☐ ED

LIST BROTHERS or SISTERS APPLYING (CHECK SD OR ED)

### II. Course Selection

- List course choices below, in order of preference. Include other time slots and/or alternative courses if they are acceptable to you.
- If your first choice is full or your application is not competitive for it, we will consider your alternates in order to schedule you.
- Students may take only one class.
- If you have a compelling reason to request to take a class other than those listed for your grade level, include a petition letter to the Director explaining the reason for your request.

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE TITLE</th>
<th>DAYS</th>
<th>AM OR PM</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
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<tr>
<td>2</td>
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<td>4</td>
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</tbody>
</table>
III. Biographical Data

IMPORTANT: In order to help us develop a greater base of knowledge about our student population, please complete the questions below. Your responses will not affect your admission status or course placement.

1. Please indicate your ETHNIC BACKGROUND by writing the appropriate letter(s):
   - I American Indian/Alaskan Native
   - A African-American/Black
   - M Mexican/Mexican-American/Chicano
   - C Chinese/Chinese-American
   - E East Indian/Pakistani
   - J Japanese/Japanese-American
   - K Korean/Korean-American
   - S Latino/Other Hispanic-American
   - U Pacific Islander
   - P Pilipino/Filipino-American
   - V Vietnamese/Thai/Other Asian
   - W White/Caucasian/Other (Please indicate): ____________________

2. What language/s did you SPEAK FIRST?
   a. English
   b. English and another language: ____________________
   c. Another language: ____________________

3. In what country were you born? ____________________
   If you were born in another country, when did you come to the United States? ____________________

4. Indicate the HIGHEST LEVEL OF EDUCATION completed by your FATHER [parent]: ____________________
   a. Grade school
   b. Some high school
   c. High school diploma or equivalent
   d. Business or trade school
   e. Some college
   f. Associate or two-year degree
   g. Bachelor’s or four-year degree
   h. Some graduate or professional school
   i. Graduate or professional degree
   MOTHER [parent]: ____________________

5. Father’s [parent] occupation: ____________________
   Mother’s [parent] occupation: ____________________

6. Please indicate the APPROXIMATE INCOME of your parents last year by writing the appropriate letter:
   a. Less than $10,000
   b. $10,000–$25,000
   c. $25,000–$50,000
   d. $50,000–$75,000
   e. $75,000–$100,000
   f. $100,000–$150,000
   g. $150,000–$200,000
   h. Over $200,000

IV. Fee Payment & Financial Aid

Each application must be submitted with a $50 non-refundable processing fee, which is not a part of your tuition fee and can be paid by credit card (online form only) or check. If this poses a financial hardship for you, see Financial Aid information p. 6 of the catalog and include a note of explanation.

- I have enclosed a $50 check, made out to “UC Regents,” with this application.
- I will pay the $50 processing fee using a credit card via ATDP’s website.

(This option is only available to those who complete this Application Information Form online.)

Are you applying for need-based financial aid?  ❑ Yes ❑ No

V. Statement of Commitment

“I understand that students may be dismissed from the Program without refund because of two or more absences, failure to complete assignments, or behavior involving academic dishonesty or interpersonal interactions that is unfitting to the purpose of the Program.”

Signature of Student Applicant (Student MUST sign) ____________________

Signature of Parent or Guardian (Parent MUST sign) ____________________

Print name of parent or guardian: ____________________

STOP! This application is not complete without items 2-7 (see instructions on previous page)

RETURNING ED STUDENTS:
Wednesday, March 17, 2010

APPLICATION POSTMARK DEADLINES

NEW ED APPLICANTS:
Wednesday, March 31, 2010

NOTE: Apply early. Applications are considered for admission and course placement according to the date they are complete.

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, refusal 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 parents and obtains their informed consent in writing.
TEACHER RECOMMENDATION FORM

The student who has given you this form is applying to attend the 2010 Summer Session of the UC Berkeley Academic Talent Development Program (ATDP), which offers summer classes to academically talented and motivated young scholars. Each applicant must have one of his or her current teachers in an academic subject fill out this form. Receipt of this form is required for the student’s admission to the program; the student’s application will not be evaluated until ATDP receives it. When you have filled out this form, follow the steps on the back regarding how to return it.

Part I: Behavior Inventory

Please rate the student named above on the following fourteen behaviors associated with academic talent and creativity, based on the time that the student has been in your classroom. Check “NA” if there has not been an opportunity to observe this behavior; check “Rarely” if you have observed this behavior once or twice; check “Sometimes” if you have observed this behavior more than once or twice but not regularly; and check “Frequently” if you have observed this behavior regularly.

Student’s Full Name

Student’s School

Teacher’s Name

Teacher’s Signature

Teacher’s E-mail

(please print)

Grade level (K-6) & academic course in which you teach the student

1. Engages in a variety of imaginative activities such as making up games or stories.
2. Is very observant and attends to detail in the surrounding environment.
3. Is self-directed and works well alone.
4. Demonstrates teamwork in class activities.
5. Expresses a keen sense of humor in age-appropriate ways (e.g., jokes, puns).
6. Thinks about a task or problem before attempting to solve it.
7. Focuses on activities for extended periods of time without becoming bored.
8. Elaborates with unusual detail in stories or drawings (or other products).

(Over, please)
9. Takes a systematic approach to tasks or problems.  

10. Enjoys the challenge of new or complex activities.

11. Is very curious about new ideas or things in the environment.

12. Continues to work on a task and does not give up when it becomes difficult.

13. Asks many questions in the context of different activities.

14. Demonstrates leadership in classroom, school, or community activities.

Has this student been selected for the Gifted and Talented (GATE) Program? (Not used for selection for ATDP)

☐ Yes   ☐ No   ☐ No program at this school   ☐ Don’t know

**Part II: Comments**

*IMPORTANT: Please provide examples or additional information about these fourteen behaviors that you feel will help us better assess this student’s application.*

---

**TEACHER —**

After you complete the Behavior Inventory and the Comments section, please:

1. Seal the form in the envelope the student has given you (any envelope is acceptable).
2. Sign your name across the seal on the envelope’s flap.
3. Write the student’s full name on the front side of the envelope.
4. Return the sealed envelope to the student.

*Receipt of this form is essential to the student’s admission to ATDP. Any phone inquiries may be made at: 510-642-8308. Thank you very much for your concern and consideration.*

**APPLICATION DEADLINES**

Students need to turn in complete applications, including this form, before these deadlines:

- Returning ED Students: Postmarked by Wednesday, March 18, 2010
- New ED Applicants: Postmarked by Wednesday, March 31, 2010
ADMINISTRATION

P. David Pearson
Dean
Graduate School of Education

Nina Hersch Gabelko
Program Director

Frank C. Worrell
Faculty Director

Carrie Brown
Assistant Director

Erin Donohue
Program Assistant

Stevie Jeung
Program Assistant

Lloyd Nebres
Database & Website Administrator

Herlinda Tin
Program Assistant

Beverly Vandiver
Visiting Professor and SD Counselor

Adena Young
Math Department Coordinator

Lisa Levi
Site Administrator

Steve Kirby
Asst. Site Administrator

Casey Cheung
Program Consultant

Candace Grant
Program Consultant

Gary Hsueh
Technical Consultant

Laura Shefler
Program Consultant

Vic Wong
Technical Consultant

Elementary Division Administrators:

Program Consultants:

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.
2010 SUMMER SESSION

SECONDARY DIVISION
GRADES 7–11
JUNE 21 TO JULY 30

ELEMENTARY DIVISION
GRADES K–6
JULY 12 TO JULY 30

http://atdp.berkeley.edu
510-642-8308