Welcome to CBK Summer!
Center for Bright Kids Academic Talent Development

Welcome to the Center for Bright Kids! This is our 38th year operating summer programs for bright, high interest and high ability students. The logo for the Center for Bright Kids communicates our emphasis on community and energy. As we hope that our programs offer "a bright spot for bright kids," the logo embodies the movement, energy, and connections that CBK can offer, as well as the possibilities for moving forward and transcending layers or borders that often present obstacles to our gifted and talented students. We hope to bring kids together to learn, think, and live in an intellectual community that is safe, while still presenting the challenge, enthusiasm, and rigor that encourage kids to take their experiences with this community and apply them to the lifelong journey beyond CBK.

As such, our summer programs are focused on a talent development model that balances academic experiences with residential life. Residential programs offer students a fresh start with their peers, often enabling them to feel more accepted as they share experiences with other gifted and talented students. Our students have unique interactions, develop leadership skills, exchange ideas, and build friendships with a diverse group of individuals from across the country in an inquiry-driven, hands-on learning environment that provides a space to take risks in thinking differently. The University of Colorado Boulder is our home for offering high interest courses full of academic rigor, new experiences, and fresh challenges as well as dynamic recreational opportunities while we nestle into the Flatirons of the Rocky Mountains for the summer. This summer, students will be housed in Cockerell Hall on the engineering quad while Brackett Hall’s infrastructure is updated. Please remember that our application process is fully online as you consolidate your information and set up an account for CBK Summer that you can sign in and out of to manage your experience! Every family will need to create a new account, as we purge records to protect student data.

This catalogue includes all three summer programs with 2020 course and program information. Every year, many courses and instructors change, but a majority of our students continue coming back as they age through the programs. If summer programs are only part of your CBK participation, please check out the Western Academic Talent Search and our other regional programs at our website: www.centerforbrightkids.org

Join the more than 7,000 kids who participate in CBK programs each year. Feel free to give us a call at 303-428-2634 or drop us an e-mail at cbk@centerforbrightkids.org for more information about us and the ways we support the academic, social, and emotional growth of bright youth.

I look forward to seeing you this summer!

Dr. Amy Rushneck, Executive Director
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Since 1982, Center for Bright Kids Academic Talent Development has offered summer programs for high-interest, high-ability students. Rooted in the talent development model, CBK summer programs offer students the opportunity to study with bright, motivated peers, enhance their preparation for advanced coursework, and establish long-lasting friendships with students from across the country and around the world. Students with exceptional ability entering grades 4-12 in the fall are offered a varied selection of enrichment and acceleration courses on campus. Together with outstanding instructors, we create courses in which students discover the optimal match between academic ability and pace of instruction. Residential staff are college students who offer energetic support and insight into the many issues our bright students face. Many staff were once participants themselves! Overall, challenging academics and supervised extracurricular activities enable students to gain academic and social confidence during these intense summer programs. Join us this summer at CBK for the next step on a journey of lifelong learning!

**Mission Statement**

The mission of the Center for Bright Kids is to provide access and opportunities for K-12 students with high interest and/or high ability in quality enrichment and acceleration programming that encourage self-growth, social responsibility, and a positive view toward lifelong learning.

**Vision Statement**

The vision of the Center for Bright Kids is to offer opportunities and experiences that enrich the whole child - intellectual, social, emotional, personal, and ethical.

We believe that it is essential to uphold an authentic commitment to reflect the broad diversity of our families, communities, and region within our programs and to engage community input in those efforts.

We will encourage imaginative thinking, a discovery of the world, a passion for thinking and playing, and a world view that emphasizes recognition of our role as members of a global community.

We promote student independence, confidence, empowerment and positive self-esteem through respectful, responsible, and accountable contributions in a community that is safe and responsive to the need for a sense of belonging.
The University of Colorado Boulder (CU Boulder) is a dynamic community of scholars and learners situated on one of the most spectacular college campuses in the country. CU Boulder is one of 34 U.S. public institutions belonging to the prestigious Association of American Universities (AAU) and has an established reputation for world-class teaching, research, and service to the global society.

At the cornerstone of the university experience are CU Boulder’s innovative academic programs, hands-on opportunities and rigorous course work that will prepare students for a complex global society. Within the supportive learning community, students will interact with world-renowned faculty—which include Nobel laureates, MacArthur “genius grant” fellows, U.S. Professor of the Year awardees and National Medal of Science winners—who listen, question and help students refine their ideas to develop a broad understanding of the world, strong leadership skills and an enhanced ability to think critically.

CU Boulder offers more than 110 undergraduate and graduate programs; 84 bachelor’s majors; 34 concurrent bachelor’s/master’s degree programs; more than 30 minors and 29 certificate programs. The university has 11 research institutes and nearly 90 research centers, with more than 2,000 undergraduate students directly involved in faculty research.

With hands-on experience, world-class education and the ability to think critically, globally and creatively, CU Boulder graduates benefit from a strong salary potential, high employment rates and the opportunity to find and excel in careers they are passionate about.

**What is Academic Talent Search?**

In 1972, Dr. Julian Stanley, a psychology professor at Johns Hopkins University, introduced the first talent search designed to identify, challenge, and recognize academically able young people. Since 1979, talent search institutions expanded to offer a wide range of academic opportunities and to conduct research, disseminate information, consult with educational organizations, advocate public policy initiatives, and offer diagnostic and counseling services.

Talent Searches identify, assess, and recognize students with exceptional mathematical and/or verbal reasoning abilities. Students qualify for participation in the Academic Talent Search by scoring at or above the 90th percentile on a nationally-normed, standardized aptitude or achievement test. These students are “hitting the ceiling” on these grade comparison tests. The Talent Search gives students the opportunity to take a test designed for older students (above-level), with a higher ceiling. This testing will reveal more about their academic abilities and will allow them to compare their results with those of other highly able students. They will also learn about educational options and opportunities for students with similar abilities, and they will receive recognition for their outstanding achievements. Academic Talent Search is a national model, with only a handful of talent development centers offering this off-level testing opportunity.

The Western Academic Talent Search provides many benefits for high ability students across the western United States. While testing only offers one snapshot of student ability in a portfolio of talent, Academic Talent Search scores are used to help us identify the optimal match between student interest, pace, and ability level as applicants select summer courses and determine what’s next in their academic pursuits.
Frequently Asked Questions

Is my child required to participate in Talent Search in order to attend CBK Summer Programs?
No, students may apply through the portfolio process. Lots of kids access our program this way and do Talent Search later.

Are kids in classes all day long?
No—multiple activity periods are part of the socio-emotional emphasis in all three programs—as much as kids think hard, they play hard. Instructors do not assign extensive homework so that brains can reboot.

Who is in charge on campus? How will I know my child is safe?
Multiple measures are in place to ensure the enjoyment and safety of all participants. All staff are background checked and mandatory reporters, and Campus Safety is part of our team. A CBK administrative team of the Executive Director, Residential Director, and Associate Residential Director are on campus and ALWAYS on call during each program. Please review the Honor Code online for more information on our student policies.

Will my child receive high school or college credit for participating?
Credit transfer cannot be guaranteed, although CBK encourages Luminary Project students to talk with their high school guidance counselors ahead of time to check into this possibility, as equivalency seat hours are met. Syllabi are available one week prior to the Luminary Project upon request.

What about the cell phone policy—I am nervous that my student is far from home?
Students are not allowed to have cell phones with them during the program. This policy is for safety and connection to the program. Students arriving by airplane are asked to bring a phone that can be checked in with staff upon arrival.

Programs Overview

CBK SHINE (Students Headed Into New Enrichment)  
CBK SHINE is a one-week residential program for rising 4th-6th graders who live on campus. Students take one accelerated enrichment course of high interest that offers exploration for **four 1/2 hours a day**, with a strong, daily, organized residential program to complement the experience.

CBK GLOW (Gaining Leadership, Obtaining Wisdom)  
A transitional program between SHINE and the Luminary Project, rising 6th-8th graders attend this two-week residential experience and focus on one course of study for **five 1/2 hours a day** that is a blend of academic enrichment and acceleration based on pace, ability, and interest. These courses feel more like high school learning. One full residential weekend provides off-campus activities as part of this program. Students do not go home for the weekend.

The CBK Luminary Project  
The Luminary Project is a three-week residential program for mature rising 8th-12th graders. Students focus on one intensive course of study that is an equivalent to one full year of honors level high school content or one semester of college content. Courses feel more collegiate. Classes meet **six hours a day** for total high school credit equivalency seat-hours. Two full residential weekends provide off-campus activities and one instructional period. Students do not go home for the weekends.

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<td>GLOW</td>
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<td>JULY</td>
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<td>AUGUST</td>
<td>SHINE</td>
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Program Eligibility

Students qualify for CBK Summer Programs based on SAT, ACT, or PSAT 8/9 test scores or through a portfolio admission process (see page 24 for more information on portfolios). Reading, Writing, or English scores are used to determine eligibility for Humanities courses, and Mathematics or Science scores determine eligibility for STEM courses. Please review the chart below for score requirements and see courses for coding. Scores from any Academic Talent Search for program admission are good for two years (Jan 2018); students are not required to retest each year in order to maintain eligibility for the summer programs unless aging up. Students may attend more than one program. AGE OR GRADE RANGES are indicated as of the first day of the applicable program and on program pages are all indicated as rising grades (grade in fall following summer).

<table>
<thead>
<tr>
<th>SHINE</th>
<th>Minimum of 8 yrs old at start of program AND finishing grade 3 or maximum of 12 yrs old</th>
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<tbody>
<tr>
<td>GLOW</td>
<td>Minimum of 10 yrs old AND finishing grade 5 or maximum of 14 yrs old</td>
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<td></td>
<td>Mature rising 5th graders may apply but MUST have qualifying test scores</td>
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<tr>
<td>Luminary</td>
<td>Minimum of 12 yrs old AND finishing grade 7 and not yet 18 on the first day of the program.</td>
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<td>Mature rising 7th graders may apply but MUST have qualifying test scores</td>
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<tr>
<th>OR PORTFOLIO</th>
<th>PSAT 8/9</th>
<th>ACT</th>
<th>SAT</th>
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<tbody>
<tr>
<td>SHINE</td>
<td>PSAT ticket or score report OR higher than 90% as for WATS</td>
<td>ACT report, no minimum score</td>
<td>SAT report, no minimum score</td>
</tr>
<tr>
<td>GLOW</td>
<td>R24, M420, or EBRW 480</td>
<td>M/S21; R/E21</td>
<td>M520; R26; EBRW520</td>
</tr>
<tr>
<td>Luminary</td>
<td>Not accepted</td>
<td>M/S22; R/E22</td>
<td>M550; R28; EBRW550</td>
</tr>
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</table>

Course Selection

Students should choose courses to which they are willing to commit time, energy, and enthusiasm, and that are in line with their academic strengths, interests, and educational objectives. These choices will be reviewed for optimal match (p.5). Students will be placed in their first choice courses when possible. First choices are honored on a first-come, first-served basis. Class size for all courses is limited based on enrollments. Courses with too few students will be cancelled and students moved to their next available choice. Applications will not be considered until fully complete including recommendations and required payments. Students should only list courses on their application which they are willing and motivated to attend, if assigned. This includes second and third choice courses. The application fee is nonrefundable for any reason. CBK reserves the right to cancel any course due to insufficient enrollment.
CBK SHINE is a one-week residential program for 4th-6th graders who live on campus. Students take one accelerated enrichment course of interest that offers exploration for **four 1/2 hours a day**, with a strong, daily, organized residential program to complement the experience. This program focuses on conceptual development through hands-on experiences that include inquiry, creativity, aesthetic expression, and problem solving. Residential life and programs promote friendships and social interaction with peers who also have high academic and creative interest.

**STUDENTS:** Students entering **grades 4-6** in fall 2020 or ages 8-12  
**DATES:** Sunday, August 2 – Saturday, August 8  
**ADMISSION:** PSAT 8/9 ticket or scores, ACT or SAT score report  
OR 90% or higher on a national test as eligible for WATS  
or portfolio application

**2020 SHINE Courses**  
Java Programming: Do-It-Yourself Games (M/S)  
Script to Stage: The Theatrical Process (H)  
Mission to Mars (M/S)  
Blood, Guts, Cells, and Poop: The Stuff We’re Made Of (M/S)  
Through the Bamboo Gates: Philosophy of East Asia (H)  
Extreme Measures: Adaptation in a Harsh World (M/S)

*(denoted by (H)umanities, (M)ath, and/or (S)cience focus for eligibility)*
Java Programming: Do-It-Yourself Games
Have you ever found yourself playing your favorite game and thought that you’d enjoy writing your own for the computer? In this course, you will! We’ll develop our game from the ground up, learning the programming concepts as we go using Java. No experience writing code? No problem! We’ll start with the basics and increase depth based on your new skills, so as you grow your game does too. Students will learn about programmatic decision-making and flow, object-oriented programming, data structures, algorithms, user interfaces, and more! Teamwork, group lectures, and individual activities will aid students in learning all of these concepts. Prior programming experience is not required – this course will serve all levels.

($80 lab fee: computer access, software, and login)

Caitlin Dusina is a Colorado School of Mines alumnus with a Master’s of Science in Computer Science. She currently works at Google in Boulder, CO, but can’t wait to come back yet again to teach at CBK (after a break to start her own family!). Caitlin has taught several technology-based topics and courses to students of all ages, and is excited to do it again with such passionate students.

Mission to Mars
Space: the Final Frontier. From terraforming Mars to understanding black holes, a universe of possibilities is available to us just beyond our home planet. Thanks to ever-advancing technology and innovation, commercialized space travel is becoming a real possibility. But why would we want to go to Mars? What challenges would we face along the way, and is it worth it to work to overcome them? And then... what’s next? In this course we will analyze the potential triumphs and pitfalls of interplanetary exploration by considering topics such as gravitation, energy, and surviving in space. We will use real-world arguments, topics in game theory, computer simulations, and mathematical formulas to understand these concepts and more. The only requirement for this course is a curious and open mind and interest in physics!

Gwen Leifer holds a Master’s of Science in Physics from Tulane University, and is dedicated to making physics a more approachable and relatable subject for all students. She spends most of her time outside of academics on the rugby field, and loves to run and hike in the mountains around Boulder. She is returning for yet another summer at CBK, and she can’t wait to see the creativity and insights from this new group of students.

Script to Stage: The Theatrical Process
Theater is loved by the theatergoer as much as the backstager, the director, and the actor. Yet unlike painting or writing, much of the theatrical process occurs behind the scenes but is shared actively in interaction with an audience. By taking part in the production and performance of a short one-act play, students will gain an understanding of not only acting and performance techniques and how to “see” a play, but will also be involved in the process by which a play goes from the script to the stage. Students will learn how to lay out set design, determine feasible costing and props for a one-act production, adjust simple lighting for effect, apply stage makeup, and create the world of the play for our program as audience! No formal experience is required. ($60 lab fee)

Ryan Davidson is currently pursuing a B.S. in Computer Science at the University of Denver. He’s been involved with theatrical productions nearly his whole life, and also has much passion for Information Security. As a former student of CBK, Ryan can’t wait to contribute to helping students grow in the same ways that he did during his attendance at the program!

Blood, Guts, Cells, and Poop: The Stuff We’re Made Of
What makes you, well, you? How do you move, breathe, think, or even exist? During this course, we will create a life-size model of our own bodies, exploring, understanding, and mapping out all the systems of our body that make our amazing super-machines work properly. Each time science celebrates a medical breakthrough, there is a new medical mystery that plagues us, so we will also investigate where things can go wrong: diseases, cancer, auto-immune issues, strokes, diabetes, dementia and a dozen other significant issues facing our human race today. This will be a hands-on approach to what goes on beneath the skin. By understanding bodies from the microscopic cellular level to the basics of the excretory system, this will be a deeply dissected course covering human anatomy, epidemiology, and modern medicine.

($40 lab fee)

Ginger Dickinson is returning to CBK after a long foray into parenting her own kids! She lives in Morrison, Colorado, and has taught various talent development science courses for CBK over the years. She currently teaches in Jeffco and also serves as a chemistry tutor. In her free time, she loves camping, riding dirt bikes, skiing, and traveling, and she just can’t wait to be back!
Through the Bamboo Gates: Philosophy of East Asia

What do a Zen monk and a Japanese Samurai have in common? How would studying Taoism impact a Chinese youth preparing for the Civil Service Exams? In this course, we’ll take a look into the writings, artworks and lifestyles that shaped the minds and cultures of China, Japan, Korea and other Asian civilizations. Students will learn the differences between Shinto and Buddhism, which are often thought of as the same set of beliefs, and connect their similarities to their shared history. We’ll dive into the complex and unexpected ways that philosophical traditions of ancient Asia grew and expanded into their modern forms, and what we can learn from ancient thought in today’s world. By the end of this course, students will have a fresh perspective on the East and how its unique culture can affect their lives.

Jasper Howald is studying East Asian Studies with a focus on Japanese studies at Columbia University, and has also read and studied philosophers ranging from Immanuel Kant to Lao Tzu. Jasper trains and teaches karate, enjoys music composition and production, and loves writing settings for tabletop games. He has been part of the CBK family for years, coming back each summer because of the wonderful and engaging community where he’s met some of his lifelong friends.

Extreme Measures: Adaptation in a Harsh World

How does life survive and thrive even in the harshest environments? As our climate changes and new species are discovered every day, what adaptations take place here on Planet Earth? Life can be found in surprising places not oft-explored: in boiling temperatures deep in Pacific ocean trenches at pressures that could crush cars flat; hidden under rocks in frigid Antarctic valleys with tornado force winds; or far underground in the mines of South Africa living in pockets of radioactive minerals. To come to understand these remarkable feats, we will look at how life struggled to make its way through the eons, tracing it back to its origin in the hostile environment of early Earth. We’ll perform experiments to show how the events that shape life happened, such as mass extinctions and radiations. From the lens of the past, we’ll then examine what the future might hold for life on Earth, or possibly beyond. ($40 lab fee)

Jordan Kassanoff is studying molecular, cellular, and developmental biology at CU Boulder. From humble roots studying neighborhood pond scum through the microscope in his basement, he’s gone on to research microbiology at labs at Anschutz Medical Campus and in Boulder. Jordan attended CBK for many years, and is excited to return to the family this summer.
SHINE Program Format

Student Housing and Supervision
Students will be housed in a traditional residence hall, which is locked at all times to outsiders. We are the only program in this building during the summer. Students live in wings of no more than 14 participants per Residential Assistant. Floors are not co-ed, and students live in nicely-sized rooms with two XL twin beds. The shared floor bathroom offers private showers. Students will be assigned a roommate approximately the same age and in a different course unless they have made specific requests—both students must request one another on their acceptance forms. Roommate requests cannot be guaranteed to be filled and roommates are not reassigned. In this program, students are escorted to all activities and are not unsupervised at any time. Residential Assistants are screened and selected for their ability to relate to students of this age and participate in a rigorous pre-program training that includes other campus personnel who are present throughout the program to ensure student safety. Access to e-mail and phone calls will be available on a very limited basis to prevent homesickness. Students may not bring personal computers, cell phones, or any transmitting devices. Kids will not do laundry during this program due to time constraints. Students are required to live on campus and to participate in both the academic and residential life of the program. This may mean that students will miss sports practices or other extracurricular commitments at home. CBK is unable to accommodate competitions, performances, physical training regimens or lessons schedules. CBK operates as a closed campus and visitors are not allowed at any time during the program for student safety.

Daily Schedule

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<th>Time</th>
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<td>7:30am-9:30am</td>
<td>Breakfast and Morning Wing Time</td>
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<td>9:30am-11:30am</td>
<td>Morning Instruction</td>
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<td>11:30am-12:30pm</td>
<td>Lunch</td>
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<tr>
<td>12:30pm-3:00pm</td>
<td>Afternoon Instruction</td>
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<td>3:00pm-4:30pm</td>
<td>Afternoon Activities</td>
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<tr>
<td>4:30pm-5:30pm</td>
<td>Quiet Time on Wings</td>
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<td>5:30pm-6:30pm</td>
<td>Dinner</td>
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<tr>
<td>6:30pm-8:00pm</td>
<td>Evening Activities</td>
</tr>
<tr>
<td>8:00pm-8:30pm</td>
<td>Wing Meetings</td>
</tr>
<tr>
<td>8:30pm-9:30pm</td>
<td>Quiet Time on Wings</td>
</tr>
<tr>
<td>9:30 pm</td>
<td>Lights Out</td>
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The schedule for this program is extremely structured. We have a wide range of activities planned for afternoons and evenings for students to choose from as part of the community life of the program. Students are expected to adhere to the outlined schedule, regardless of how it may differ from life at home, for the safety and well-being of all students.

Activity Periods
During each activity period, residential staff offer a variety of options from which students choose to participate. From athletics to academics to fine arts, these opportunities give kids a chance to do something they love or try something new, and to take a well-deserved break from class. They also provide a great time to meet other kids in the program from different courses and wings as the community learns more about one another. All activities are supervised and vary each day and each period. Some are held in or near the residence hall, while others take place at the NIRSA award-winning CU Boulder Recreational Center, such as dance, yoga, jogging, racquetball, basketball, indoor soccer, and limited visits to the pool and climbing wall. Finally, due to our proximity to the foothills, activities may also take place in the near vicinity at parks or on marked hiking paths.
CBK GLOW: Gaining Leadership, Obtaining Wisdom

A transitional program between CBK SHINE and The Luminary Project, CBK GLOW is for 6th-8th graders. These participants attend a two-week residential experience held on campus and focus on one course of study for **five 1/2 hours a day** that may be either an accelerated enrichment opportunity or an intensive, accelerated, rigorous experience. CBK GLOW serves to help students move from enrichment work to more intensive study with a dynamic group of high-interest peers. Residential life and programs promote friendships and social interaction with peers who also have high academic and creative interest. A rich weekend program is a required experience.

**STUDENTS:** Students entering grades 6-8 in fall 2020 or ages 10-14

**DATES:** Sunday, June 14—Saturday, June 27

**MATH/SCIENCE ADMISSION (M/S)**
- SAT-M 520
- ACT-M or S 21
- PSAT 8/9 M 420

**HUMANITIES ADMISSION (H)**
- SAT-R 26 or EBRW 520
- ACT-R or E 21
- PSAT 8/9 R 24 or EBRW 480

or portfolio application

**2020 GLOW Courses**
- Not Just Fun and Games: Olympic Conflicts (H)
- Physically Based Rendering: The Math of Animation (M/S)
- Across the Sea of Space: Exploring the Unknown (M/S)
- Breaking the Mold: Deconstructing “Knowledge” (H)
- Cracking the Code: An Intro to Cryptography (M/S)
- Digital Art: Computer As Canvas (H)

*(denoted by (H)umanities, (M)ath, and/or (S)cience focus for eligibility)*
Not Just Fun and Games: Olympic Conflicts
You might have heard of Hitler’s Berlin Olympics in 1936, but how about the Bitter Lake Olympics in 1968? Why are some sports included and not others? And who decides? What does it take to get the games cancelled altogether? What does it mean when a country boycotts the Olympics, and what are some of the reasons for doing so? With the power to bring so much of the world together so regularly, many Olympic Games have acted as a crucible for world conflict on the backs of athletes. Whenever tensions are high, who shows up and who is invited to the games as well as how the judging plays out and what sports are covered by media coverage all come together to form a telling sociopolitical snapshot of the state of the world. Pulling these snapshots together forms a uniquely insightful collage of the 20th century. This course will examine these snapshots of history to form better understandings of myriad conflicts of the 20th century, as well as the individuals whose identities are examined and affected in the process.

Jess Kern is a former CBK student and a returning instructor who is very excited to come back for another round of programs this year. She has a B.A. in History from CU Boulder and an M.A. in History from the University of Chicago, and spends the rest of her year as a teacher in Colorado Springs. She also enjoys reading Latin American literature, making art and pottery, cooking Japanese food, and creative writing.

Physically Based Rendering: The Math of Animation
In this course we’ll investigate how mathematical models can form realistic approximations of physical behavior. We’ll start by simulating the interaction of light with objects in a scene so that we can "see" what is going on with our other models. From there, we will jump into classical mechanics as a way to describe the dynamics of interactions and motion such as collisions and gravity. Along the way, we’ll be focusing on how to design artistic pieces that could be used as a shot in a movie and implementing our models in C++. We’ll also discuss various tricks and optimizations we can make - none of our models are worth anything if it takes years to render images. Previous experience with algebra is preferred, but no capes are allowed!

($80 lab fee: computer access, software, and login)

Ben Sattelberg received his B.S. and M.S. in Applied and Computational Mathematics from the Colorado School of Mines. He is currently pursuing a Ph.D. in Computer Science at Colorado State University. His research focuses on developing mathematical understanding of neural networks. Ben has been involved with CBK for many years in a variety of positions, and loves coming back to the CBK family every summer.

Across the Sea of Space: Exploring the Unknown
Space travel could be a promising solution to some of humanity’s current problems, but is it worth the trouble? At the beginning of this course we will discuss a myriad of motivations for space travel, including population increase, the dire need for natural resources, and humanity’s drive to satisfy our curiosity with continual exploration of uncharted frontiers. The rest of the course will be spent analyzing potential barriers to space exploration and considering how those hurdles can be overcome before considering the daunting task of living or working on an extraterrestrial surface such as Mars. Many of the topics that we will discuss are rooted in physics, such as gravitation, special and general relativity, radiation, and others, but we will choose an interdisciplinary approach that also emphasizes problem solving, cost-benefit analysis, and ethical considerations involved in space travel. Previous experience with algebra concepts in physics is preferred.

Gwen Leifer holds a Master’s of Science in Physics from Tulane University, and is dedicated to making physics a more approachable and relatable subject for all students. She spends most of her time outside of academics on the rugby field, and loves to run and hike in the mountains around Boulder. She is returning for yet another summer at CBK, and she can’t wait to see the creativity and insights from this new group of students.
Breaking the Mold: Deconstructing “Knowledge”
How many ways can you describe the sun? You could describe its color and shape, or detail its chemical composition and how it burns, or even summarize all the ways the sun has been seen throughout history and across the world. However, are any of these descriptions more “right” than any other? In this course students will examine society through a postmodern philosophical lens, and learn how to critically examine the status quo to build their own understandings of what “knowledge” is. We will start by learning about the foundations of postmodernism, from its artistic roots to its philosophical development in the works of Foucault and Derrida. Then, we will apply these ideas to more relatable topics, such as the news, books, and movies. Finally, we will turn our attention to theories of learning, critically analyzing what sorts of things are taught and why they are taught the way that they are.

Sam Hoeffel attended CBK for many years and is returning in multiple staff roles. He is a physics major at CU Boulder, while at the same time pursuing his teaching license and working as a Learning Assistant for the university. Sam also serves as a private tutor. Outside of the university classroom, he loves hiking, climbing, and dogs, as well as playing games with friends.

Cracking the Code: An Intro to Cryptography
In a tradition dating back to 400 B.C. people have always had some interest in communicating secret messages to protect military secrets, protect financial information, or even just for passing notes. But how exactly does cryptography work? Conversely, how can you break codes? In this class students will be introduced to a variety of classical ciphers such as Caesar, Vigenere, Playfair, and other substitution/transition ciphers, learn the mathematics of various forms of cryptanalysis (breaking ciphers), and learn the basics of some cryptologic principles used in modern ciphers, such as RSA and Diffie-Hellman. Students will also learn major history of cryptography, and even learn how to write their own codes.

Ryan Davidson is currently pursuing a B.S. in Computer Science at the University of Denver. He’s been involved with theatrical productions nearly his whole life, and also has much passion for Information Security. As a former student of CBK, Ryan can’t wait to contribute to helping students grow in the same ways that he did during his attendance at the program!

Digital Art: Computer As Canvas
Digital art offers a new world for understanding what art is and how it can be made. In this course we will practice digital methods of illustration, discover many unconventional ways of making art via digital means, and look at and learn from the history of the digital arts evolution in the contemporary gallery world. What does it mean to use a computer instead of a canvas? Where did this new medium come from and what might be its advantages and drawbacks? Students will learn new technical skills and study artists who are forerunners in digital art, focus on engaging with clip studio and tablet drawing, and explore other forms of creating like glitch art and PowerPoint animation. Finish by creating your own “multimedia” digital project! No experience required, but creative ideas always welcomed! ($80 lab fee)

Emaline Gotthoffer is studying to complete her degree in Visual Arts at the University of Colorado at Colorado Springs. Her focus is in illustration but she has shown in photography, sculpture, installation, and abstract galleries. She’s been involved with CBK for many years in many different ways and always loves coming back home to her summer family.
GLOW Program Format

Student Housing and Supervision
Students will be housed in a traditional residence hall, which is locked at all times to outsiders. We are the only program in this building during the summer. Students live in wings of no more than 14 participants per Residential Assistant. Floors are not co-ed, and students live in nicely-sized rooms with two XL twin beds. The shared floor bathroom offers private showers. Students will be assigned a roommate approximately the same age and in a different course unless they have made specific requests—both students must request one another on their acceptance forms. Roommate requests cannot be guaranteed to be filled and roommates are not reassigned. In this program, students are escorted to all activities and are not unsupervised at any time. Residential Assistants are screened and selected for their ability to relate to students of this age and participate in a rigorous pre-program training that includes other campus personnel who are present throughout the program to ensure student safety. Access to e-mail and phone calls will be available on a very limited basis in order to prevent intensified homesickness. Students may not bring personal computers, cell phones, or any transmitting devices. *Kids will do laundry only once* during this program due to time constraints. Students are required to live on campus and to participate in both the academic and residential life of the program. This may mean that students will miss sports practices or other extracurricular commitments at home. CBK is unable to accommodate competitions, performances, physical training regimens or lessons schedules. CBK operates as a closed campus and visitors are not allowed at any time during the program for student safety.

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The schedule for this program is extremely structured. We have a wide range of activities planned for afternoons and evenings for students to choose from as part of the community life of the program. Students are expected to adhere to the outlined schedule, regardless of how it may differ from life at home, for the safety and well-being of all students. A full residential weekend program and off-campus local trip is part of this experience.

Activity Periods
During each activity period, residential staff offer a variety of options from which students choose to participate. From athletics to academics to fine arts, these opportunities give kids a chance to do something they love or try something new, and to take a well-deserved break from class. Down time is built into the schedule due to program intensity. The weekend is a required experience critical to socio-emotional growth. All activities are supervised and vary each day and each period. Some are held in or near the residence hall, while others take place at the NIRSA award-winning CU Boulder Recreational Center, such as dance, yoga, cross-training, jogging, basketball, indoor soccer, swimming, and limited visits to the climbing wall. Finally, due to our proximity to the foothills, activities may also take place in the near vicinity at parks or on marked hiking paths.
The Luminary Project is a three-week residential program held on campus for mature 8th-12th graders. Students focus on one intensive course of study for six hours a day that is an equivalent to one full year of honors level high school content or one semester of college content. Many schools consider these courses for high school credit, although CBK cannot guarantee this transfer. As much as students think hard in the accelerated courses, they play hard in this deepened residential experience. Many students find that life-long friends are made during this program, and full required community weekend activities and trips are part of an energetic, structured residence life program. Our students describe this program as “transformational.”

**STUDENTS:** Students entering grades 8-12 in fall 2020 or ages 12-17.

**DATES:** Sunday, July 5—Saturday, July 25

**MATH/SCIENCE ADMISSION (M/S)**
- SAT-M 550
- ACT-M or S 22

**HUMANITIES ADMISSION (H)**
- SAT-R 28 or EBRW 550
- ACT-R or E 22

**or portfolio application**

**2020 Luminary Project Courses**
- Soundscaping: Using Technology to Bring Music to Life (H)
- The Chemistry of Colorado’s Varied Environments (S)
- CTRL+ALT+Create: The Digital Canvas of Contemporary Art (H)
- When You Wish Upon a Computer: The Math of Animation (M/S)
- The World At Play: The Olympics As 20th Century Lens (H)
- Exploring the Cosmos: A History of Our Relationship With Space (H/S)

*(denoted by (H)umanities, (M)ath, and/or (S)cience focus for eligibility)*
Soundscaping: Using Technology to Bring Music to Life

Whether it is a recording of an ensemble or an electronic music soundtrack, nearly all of our music consumption happens digitally. We use computers to record music, alter sounds with effects, use systems of loops to create complete arrangements live, and even more popularly we can use software to compose and perform entirely new music. In this class we will learn how to pair high level knowledge of music theory such as scales, harmony, and rhythm with use of a Digital Audio Workstation or DAW. This software can be used to record live instruments, digital instruments, or to combine the two together to create truly unique and different sounds and music. In addition to music theory, students will learn how to loop, record music, use equalizers and filters, program a digital synthesizer, use Virtual Studio Technologies, and set up hardware in the form of Digital Audio Interfaces to connect recording equipment to computers and run the sound through the DAW. No previous musical or technological skills are required.

($80 lab fee)

Coire Geare is a musician and educator based in the Denver area. They received a B.A. in Music Education and a minor in Creative Writing from CU Boulder. Currently, they teach Orchestra, Mariachi and AP Music Theory at Eaglecrest High School in the Cherry Creek School District. You can see them playing music in the Denver area with their band, Nova Somnia, or with Bianca and the Flyboys in both big band and small combo jazz settings.

The Chemistry of Colorado’s Varied Environments

Chemistry is an important science that can help humanity to better understand why the world around them is shaped the way it is, why plants and animals behave the way that they do, and how everything works, from the simplest to the most complex device. In this class, we’ll explore concepts in chemistry including atomic theory, bonding, stoichiometry, acid-base theory, solution chemistry, gas laws, and reduction-oxidation reactions to better understand how the world around us works. There will also be a field-work component where we get out into the environment to collect samples for testing, and thorough testing of these samples to gain a greater understanding of how nature keeps everything in balance as well as how human activities have an impact on the environment.

Prerequisite: Algebra 1.
($40 lab fee)

CTRL+ALT+Create: The Digital Canvas of Contemporary Art

Digital art offers a new world for understanding what art is and how it can be made. In this course we will develop our art-making skills through digital media, learn the history and practical use of design, and discuss where digital works belong in the contemporary art world all while honing our technical skills. What meaning do the materials you choose to use bring to your piece? What type of ‘material’ are the different forms of digital art? When would it be more advantageous to create a digital work, as opposed to a sculpture or a painting? Students will practice using illustration software and familiarize themselves with programs and techniques to bring their ideas to life on the digital canvas. By studying living, practicing digital artists today and exploring many forms of creation, from text-edit glitch art to Microsoft Excel Textiles, students will acquire the tools to make collaborative digital works, as well as completing their own unique "multimedia" project! All levels of artistic experience welcome!

($80 lab fee)

Emaline Gotthoffer is studying to complete her degree in Visual Arts at the University of Colorado at Colorado Springs. Her focus is in illustration but she has shown in photography, sculpture, installation, and abstract galleries. She’s been involved with CBK for many years in many different ways and always loves coming back to her summer family.
When You Wish Upon a Computer: The Math of Animation

Why do animated movies have lighting directors? Why is ray tracing such a big deal for video games? How has CGI been improving over the past 20 years? In this course we’ll investigate how mathematical models can form realistic approximations of physical behavior. We’ll start by simulating the interaction of light with objects in a scene so that we can "see" what is going on with our other models with shadows, mirrors, and glass. From there, we will jump into classical mechanics as a way to describe the dynamics of interactions and motion such as collisions, gravity, angular motion, and elasticity, as in humans moving around bones and joints. Finally, we’ll discuss fluid models to simulate the flow of water and other mediums (think Nemo and Frozen 2) and investigate models to simulate the behavior of light in particles like sunrises, sunsets, and steam. Along the way, we’ll be focusing on how to design artistic pieces that could be used as a shot in a movie or a piece of a video game and implementing our models in C++. We’ll also discuss various tricks and optimizations we can make - none of our models are worth anything if they take years to render images. Previous experience with linear algebra is preferred.

Prerequisite: Algebra 2 and some programming.
($80 lab fee: computer access, software, and login)

Ben Sattelberg received his B.S. and M.S. in Applied and Computational Mathematics from the Colorado School of Mines. He is currently pursuing a Ph.D. in Computer Science at Colorado State University. His research focuses on developing mathematical understanding of neural networks. Ben has been involved with CBK for many years in a variety of positions, and loves coming back to the CBK family every summer.

The World At Play: The Olympics As 20th Century Lens

You might have heard of Hitler’s Berlin Olympics in 1936, but how about the Bitter Lake Olympics in 1968? Do you know which Olympic Games prompted drug testing for athletes? What does it mean when a country boycotts the Olympics, and what are some of the reasons for doing so? And what happens to people who try to use international Olympic coverage to criticize the government? With the power to bring so much of the world together so regularly, many Olympic Games have acted as a crucible for world conflict and tensions as world powers carry out proxy wars on the backs of athletes. Whenever tensions are high, who shows up and who is invited to the games as well as how the judging plays out and what sports are covered by media coverage all come together to form a telling sociopolitical snapshot of the state of the world. Pulling these snapshots together forms a uniquely insightful collage of the 20th century. This course will examine these snapshots of history to form better understandings of the eras and events of the 20th century, from wars and conflicts to backflips and age or gender on passports.

Jess Kern is a former CBK student and a returning instructor who is very excited to come back for another round of programs this year. She has a B.A. in History from CU Boulder and an M.A. in History from the University of Chicago, and spends the rest of her year as a teacher in Colorado Springs. She also enjoys reading Latin American literature, making art and pottery, cooking Japanese food, and creative writing.

Exploring the Cosmos: A History of Our Relationship With Space

Human history is full of people looking to the stars, wondering about what was beyond that vast expanse of sky. While we have only relatively recently been able to explore beyond our planet, people throughout history have still found ways to unravel the secrets of the cosmos and the workings of the universe through ingenuity, work, and a little bit of luck. In this course, we will be investigating the work of these explorers, from the early Greek philosophers to the great minds of the modern era, and delving into both their discoveries and their ramifications going forward, building towards our present-day understanding of physics and the cosmos. From the Cosmic Egg and the Stoics to the Big Crunch and the Inflating Universe, join us for a historical study of cosmological theories.

Prerequisite: Algebra 1. Algebra 2 Recommended

Byron Liu is a former CBK student who is currently pursuing a degree in Computer Science from CU Boulder. Beyond his propensity for computers and physics, Byron enjoys reading and engaging in various musical activities.
Student Housing and Supervision

Students will be housed in a traditional residence hall, which is locked at all times to outsiders. We are the only program in this building during the summer. Students live in wings of no more than 14 participants per Residential Assistant. Floors are not co-ed, and students live in nicely-sized rooms with two XL twin beds. The shared floor bathroom offers private showers. Students will be assigned a roommate approximately the same age and in a different course unless they have made specific requests—both students must request one another in their acceptance forms. Roommate requests cannot be guaranteed to be filled and roommates are not reassigned. In this program, students are escorted to all activities and are not unsupervised at any time. Residential Assistants are screened and selected for their ability to relate to students of this age and participate in a rigorous pre-program training that includes other campus personnel who are present throughout the program to ensure student safety. Access to e-mail and phone calls will be available on a very limited basis in order to prevent intensified homesickness. Students may not bring personal computers, cell phones, or any transmitting devices. Laundry is scheduled only twice during this program. Students are required to live on campus and to participate in both the academic and residential life of the program. This may mean that students will miss sports practices or other extracurricular commitments at home. CBK is unable to accommodate competitions, performances, physical training regimens or lessons schedules. CBK operates as a closed campus and visitors are not allowed at any time during the program for student safety. Weekends are a critical part of the socio-emotional development of our community.

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The schedule for this program is not as structured as younger students’ programs. We have a wide range of activities planned for afternoons and evenings for students to choose from as part of the community life of the program. However, in this program, students will have more unstructured time to schedule as they choose. Students are expected to adhere to the outlined schedule, regardless of how it may differ from life at home, for the safety and well-being of all students. Students are still held accountable for their whereabouts and personal responsibility at all times. Two full residential weekend programs and an off-campus trip are included.

Activity Periods

During each activity period, residential staff offer a variety of options from which students choose to participate. From athletics to academics to fine arts, kids have a chance to do something they love or try something new and to take a well-deserved class break. Activities are supervised and vary each day and each period. Due to the intensity of Luminary Project, down time is built in to the schedule. Activities occur across campus, including at the NIRSA award-winning CU Boulder Recreational Center, such as dance, yoga, cross-training, jogging, basketball, indoor soccer, swimming, and limited visits to the climbing wall. Finally, due to our proximity to the foothills, activities may also take place in the near vicinity at parks or on marked hiking paths into the mountains.
CBK Summer Programs maintain high expectations for student conduct. As residential programs, students live and learn together in collaborative, supportive, and safe environments both in and out of class. Students from all walks of life attend these programs, and the CBK Programs Honor Code must be followed, regardless of higher levels of independence that students may be accustomed to at home in order to ensure a safe experience for everyone. All participants are expected to treat students across programs, instructors and TAs, residential staff, program staff, and university employees and students with respect as representatives of CBK programs. Behavioral expectations and program rules are sent to families with acceptance packets. Applicants must sign the Honor Code after fully reviewing the form. Specific expectations are outlined for each program in the Welcome Packet, which is again reviewed during orientation. Bullying, sexual harassment, teasing of a sexual nature or regarding sexuality or gender, curfew abuses or hall access violations, vandalism, physical or emotional violence including excessive horseplay or threats to self, and use of any controlled substances are grounds for immediate dismissal from the program without refund. We pride ourselves on providing a safe environment, both physically and emotionally, in which our students thrive and to which they can feel comfortable returning. As a result, the majority of our students do come back to their second “family” each summer. Our behavioral expectations are in place to both protect our participants and to ensure an enjoyable stay on campus. These are zero tolerance policies due to program length and intensity. Should a student be dismissed from the program, the Executive Director of CBK will contact the student’s family. Families are required to remove the child from campus or make arrangements to remove the child from campus within 6 hours. Parents must make immediate travel arrangements at their own expense. Program fees will not be refunded. If you have any questions, please contact CBK immediately.

“I didn’t have to pretend to be someone else to have people like me—I am who I am and that’s ok.”

“I’m not just some nerd—I’m good at stuff I never thought I could do!”

“It’s way easier than I thought to grow life long experiences with people.”

“Everybody at CBK was a good friend—I felt so accepted by everyone right away.”

“I learned there are people out in the world who want the same thing I do no matter how different we are.”

Health Services

Although we may be able to schedule a visit to a local health clinic for acute diagnoses, most injuries and illnesses require transport to the emergency room. Personal health insurance is required for attendance at any program and the Medical Release Form in the acceptance packet mailing must be completed. All medications, including all non-prescriptions such as pain relievers or vitamin supplements must be stored in the Residential Director’s office. The only exceptions to this policy will be for emergency life-saving medications such as epinephrine devices or insulin. CBK staff members will not administer medications (they will only be monitored), except in the event of a life-saving emergency. Transportation costs to clinics and/or hospitals are the responsibility of the family—CBK attempts to use the least expensive transportation mode when possible. Campus health service is not available. Mental health crises may require transportation to and evaluation by hospital staff at the discretion of CBK.
Homework and Attendance

Because of the intensity of the academic portion of the program, and because we stress the importance of residential activities, **extensive homework will not be assigned** to students in the summer programs. Students in GLOW and Luminary may be assigned short readings or practice problems for the evening, but the expectation is that students fully participate in playing hard after class as much as thinking hard during class. Both of the older students’ programs also include an evening class period during which the majority of extended work should be completed. Students unable to keep up with the course pace during the day should speak with their instructors immediately so that we can help them to be successful. **Attendance is required for the duration of the program.** Non-participation may result in dismissal. Because sharing activities and responsibilities with classmates is such an important part of the experience, families should not plan to visit or pick up their child for other activities during the program. For the security of your children, **such arrangements may only be considered at least two weeks in advance of the program or in an emergency** with the Executive Director. We hope that families will encourage the self-confidence that comes with independence and the self-esteem that comes from interacting with peers for the entirety of the program.

Student Evaluation and Credit Equivalency

Instructors use a variety of assessment techniques, including observation, project-based evaluation, rubrics, and pre-assessments throughout the programs. Skills are assessed, but there are no grades or point scales for SHINE or GLOW Programs. Luminary Project participants will be assigned a grade for the purpose of transfer. Due to the rigor and acceleration of courses in comparison to traditional environments, no grade lower than a B– will be assigned. A grade of P indicates that the student participated but will not be eligible for credit. Students should talk to their guidance counselors in advance of the program to determine whether a course will be considered for equivalency. On the final Saturday of each program, **students and their families participate in a mandatory exit interview** with the instructor to discuss their achievements in class and final evaluation. This interview is followed by an **essential closing ceremony** at which students are recognized for their accomplishments and participation. **Plan to attend.**

Instructors

Summer Program courses are typically taught by outstanding secondary teachers, college and university faculty/instructors, content experts, and advanced graduate students. Instructors participate in a thorough application and interview process, and are selected based on their knowledge of the subject area as well as their ability to work with students. We hold our instructors to the expectation that they will provide a challenging, inquiry-driven, and enjoyable educational experience for all students. Brief bios are available by program.
Tuition and Fees

CBK Summer Programs tuition is comparable to other programs offering the same type of residential experience. Hourly rates reduce to $16/hour excluding the cost of overnight and weekend supervision and participation. Tuition covers campus room and board and facilities charges (the majority of tuition goes to CU Boulder), staff salaries/housing, planning and evaluation for the courses, publications, books, materials, program shirt, and residential events and trips. Additional student expenses not covered in tuition include a lab fee for materials-based courses, and may include souvenirs from the campus bookstore, snacks, laundry, or other optional activities.

Payments must be made online.
Lab fees and shuttle fees are paid upon ACCEPTANCE. Discounts are applied at initial application only.

Application Fee All applicants must submit a nonrefundable $50 application fee. This fee is not applied to program tuition. Applications not including this fee (this must be included even with application for financial aid) or with insufficient funds are returned.

Regular COMPLETED application deadline is APRIL 3rd, 2020.

Tuition Deposit
A 50% tuition deposit is due to complete the application before April 3rd. This deposit is applied directly toward tuition and is rarely refunded. If applying for financial aid, the tuition deposit is waived and any monies remaining due following the award must be paid by May 1st, 2020. Late applications must include full payment.

Refund Policy The $50 application fee will not be refunded for any reason.
The 50% tuition deposit is refunded only if:
1) a student is not accepted to the program
2) a student cannot be placed in any of the three listed course choices and declines a 4th choice phone offer
3) a student withdraws in writing before 4pm, May 1st (a 10% fee is assessed with this late withdrawal)
4) a family applies for financial aid and does not receive a sufficient award
Students who must withdraw during a program due to hospitalization or the death of a parent, guardian, or sibling will receive a pro rata refund not to exceed 50% of program fees paid, less the deposit and a 10% fee. If a student withdraws for any other reason after the first day of the program has started, or if a student is dismissed from the program, no monies will be refunded. Refunds take 4-6 weeks to process.

Tuition Pricing
Please note that applications are queued by a date and time stamp for course placement. This stamp does not occur until the application is COMPLETE, meaning application fee, 50% tuition, submitted application, and both letters of recommendation have been submitted. Students with an outstanding balance at deadline may have their applications cancelled. Total tuition for each program is:

TUITION ONLY: SHINE $1780 GLOW $2980 Luminary $3880 PLUS app, late, lab, shuttle fees

Residential Damage Fees
CBK will maintain a $150 security deposit for any incidental fees for each student attending programs. Damage fees will be invoiced to families within 10 days following each program. Fees are heavily documented and indisputable. Damages beyond $300 will be reported as vandalism to Campus Security for investigation and collections. Most common sample fees include late or lost library book fees, lost or missing Buff Card fees, double-paid meals due to forgotten Buff Cards, medications following a doctor visit, or lockouts. Any remaining security deposit will be refunded 2-4 weeks following each program by check from CNDC.

Late Fees and Deadlines
Late applications will be accepted with an additional $100 fee if RECEIVED no later than:
GLOW MAY 1; Luminary MAY 15; SHINE JUNE 1. Late applicants cannot be considered for financial aid.
FULL PAYMENT of all tuition and fees is due WITH late application or an additional $100 fee will apply.
Airport Shuttle Service
Service to/from DIA can be arranged by CBK for unaccompanied student arrivals and departures at $90 roundtrip or $45 one way and are paid at acceptance. If someone is traveling with your student, please make your own arrangements using SuperShuttle. Students must plan to adhere to program arrival and departure schedules – additional housing and supervision CANNOT be provided. Students electing this service will be met at the gate. Flight arrangements must be made in the following windows: Arrivals (8:30am - 11:00am); Departures (7:00am - 9:30am). CBK MUST be notified of any flight for a student to/from the program. A student MAY NOT travel unaccompanied and make separate arrangements solo via any form of ground transportation. Please contact CBK for more information on this service or for gate clearance identifications three days prior to arrival. Arrivals or departures outside of these times cannot be supervised or met by CBK staff, as they are required elsewhere.

Financial Aid and Merit Scholarships
CBK offers limited financial aid awards to applicants demonstrating significant economic need. This aid ranges from partial tuition to smaller awards. Awards are determined by committee using a scale based on financial need and family circumstances. It is also our recommendation that you seek out sources of support in your community. Please note that the average annual income of the last several years’ award groups was $32,000. To be considered, please complete the Financial Aid and Merit Scholarship Application, most recent IRS tax return form and W-2 forms, and Statement of Need detailing extenuating circumstances during the current year.

A limited number of competitive merit scholarships are also available. Awards typically range from $50 to $300. To be considered, please complete the Financial Aid and/or Merit Scholarship Application.

COMPLETED APPLICATION DEADLINE for consideration is March 27th—NO EXCEPTIONS.

All award notifications will occur by April 9th. Additional expenses, such as the application fee and damage fees, lab fees, purchases on weekend trips, snacks, or other student choices are not covered by CBK. Financial Aid applications must still include the $50 Application Fee to be processed.

CBK is able to set up payment plans upon request but all payments must be received before program start.
Application Process and Policies

Summer Programs Applications are evaluated as they are received on a rolling basis. Apply early since classes fill very quickly. Course choice equity is determined by time stamp for priority and time stamp will occur once the application is fully complete (application submitted, tuition deposit/application fee paid, both letters of recommendation received). If a student’s first choice class is full, he or she will be put on the waiting list, and then assigned to the second choice or third choice. Waitlisted students sometimes get into their first choices. It is important that students list only those courses in which they would accept enrollment. If all class choices listed on the application are full, a phone call will be placed to the applicant to discuss options.

APPLY EARLY

DO NOT BEGIN YOUR ONLINE APPLICATION UNTIL YOU HAVE ALL REQUIRED PIECES UPLOADED AS FILES

REGULAR COMPLETED APPLICATION DEADLINE IS APRIL 3rd, 2020

SUMMER ACCOUNT ACCESS

Every family will need to create a new summer account for security. Application (including portfolio documents), payments, and acceptance forms will all be submitted through your summer account—letters of recommendation for new students may be submitted online early! Additional tuition payments, lab, and shuttle fees should be paid AT ACCEPTANCE, not application—paying lab fees early does not guarantee a spot in the course, and those fees will not be refunded. Acceptance forms must be completed no later than MAY 1st, 2020, or a $100 late fee for processing will be assessed. These will show in your online account.

WELCOME EMAILS will be sent as classes fill beginning in late February. Please do not call CBK to check on course assignment status. This email will include class assignment and critical opening day information, maps, and directions. Roommate assignments will go out by email approximately one week prior to your arrival.

APPLICATION CHECKLIST—have in hand before you apply

RETURNS STUDENT Application

☐ 3 course choices and ability to pay application fee and 50% tuition deposit
☐ Students aging up to the next program may be asked for additional score information or an interview

OR FOR FIRST-TIME APPLICANTS:

☐ $50 Nonrefundable Application Fee included in your 50% deposit total online (required of all applicants)
☐ Ability to pay 50% Tuition Deposit (waived if applying for Financial Aid)
☐ 3 course choices and student essay ready to be uploaded as PDF, JPG, GIF, or PNG
☐ Copy of Talent Search score report (SAT, ACT, or PSAT 8/9) from WATS or other Talent Search

OR Portfolio Admission Application responses and all supporting documents

☐ 2 recommendations completed by education professionals who can speak to program fit for your student submitted on the CBK Summer Recommendations site. These may be submitted in advance.
☐ Financial Aid/Merit Application and supporting documents if applying [DEADLINE by March 27]

Portfolio Admission Process

CBK offers alternate application by portfolio for students who do not have the necessary test scores through a Talent Search. All required materials for the Portfolio Admission Application must be uploaded with the full Summer Programs Application before portfolio admission candidates will be considered. Portfolio applications will be included in the same course placement process according to date/time stamp of completed submission. See online requirements for materials submission. In this way, the portfolio review process, which takes a bit longer than the score review process, will not affect admission to specific courses that may fill quickly. Early application is highly recommended as courses do fill in one day. Students are encouraged to participate in the Western Academic Talent Search to achieve qualifying scores for future summers.

Special Incentives

EARLY BIRD PROMOTION any application fully complete by Feb 21st or prior will be issued a discount of $50. CU BOULDER FACULTY AND STAFF receive one additional $50 discount per application (shows on final balance). MULTIPLE KIDS/MULTIPLE PROGRAMS members of the same family for summer 2020 receive one $100 discount per additional application after the first (shows on final balance)