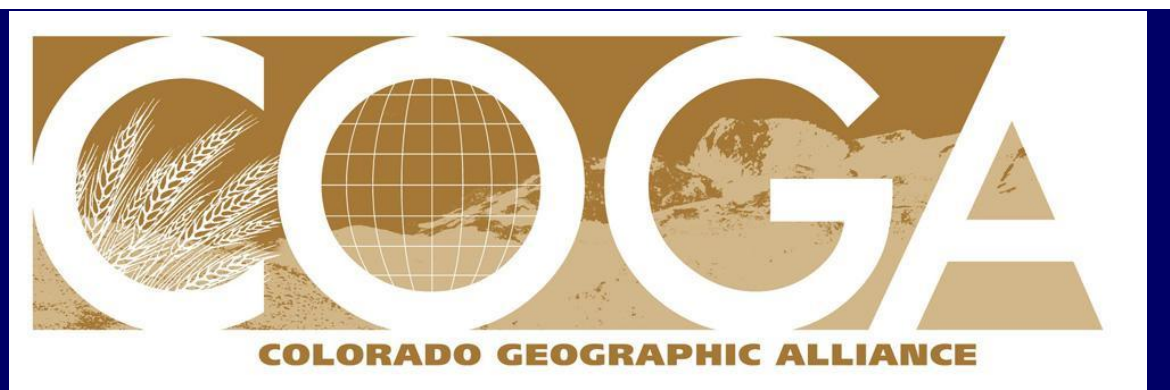


Welcome to those of you who are new members of the [Colorado Geographic Alliance](#). COGA is a statewide organization of educators working with the social studies, science, environmental and technology communities to support geography in every corner of the state. Please forward this information to colleagues who might find the material of interest. The COGA Newsletter is distributed three times a year, with additional communications to selected groups as needed.



Spring 2017

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Joining NCGE?

Remember that your membership in COGA allows you to become a member of the National Council for Geographic Education at a reduced rate. Visit the [NCGE website](#) for details.

Do you teach aspiring elementary or secondary teachers? Remember that they can join NCGE at no cost through the [Future Geo-Leaders program](#).

Geography Teacher Fellows Program

Professional Development Opportunities in June

Join Teachers at the Museum

The Colorado Geographic Alliance and the Colorado Springs Pioneers Museum are collaborating to produce lesson plans supporting the new exhibit on the history of the Pikes Peak Region, [The Story of Us](#), which includes a wealth of historic maps and photographs. This workshop will develop lesson plans for each aspect of the exhibit.

Participants will structure ways to guide teachers to explore the online components of the exhibit, develop mapping exercises, and create annotated resource sets.



Stipends of \$100 are available for participants who attend all three days. All grade levels are welcome. Click [here](#) to sign up for the workshop, which will run from Tuesday, June 20 through Thursday, June 22, 8 am to 4 pm, at the Colorado Springs Pioneers Museum. Continuing education credit is available through the University of Colorado at Colorado Springs. Questions? Email coaga@uocs.edu. Application deadline is June 1, 2017.

Explore National Hazards with ArcGIS Online

Join the Power of Data (POD) Project which enables secondary teachers to enhance existing lessons with Geospatial Inquiry to increase 6-12 grade students' 21st century skills and STEM career awareness. Participants will receive \$300 and a professional development certificate documenting 35 hours of seat time for attendance at the POD Teacher Workshop, plus \$250 after implementing a Geospatial Inquiry lesson, submitting an implementation log and administering an online survey to students. Access the application [here](#). Please email Audrey Mohan at amohan@bscs.org with any questions you may have. The workshop will take place June 12-14 at BSCS in Colorado Springs. Application deadline is June 1, 2017.

Support the Giant Map of Colorado

The American Geographical Society (AGS) is accepting applications for its second annual AGS Geography Teacher Fellows Program. This sponsorship will give 50 AP Human Geography teachers across the United States the opportunity to become a Teacher Fellow and attend Geography 2050: The Future of Mobility. Teachers currently teaching the AP Human Geography course can apply [here](#). Deadline is June 14.

Geography 2050 will take place November 16 and 17 at Columbia University in New York City. Five randomly selected AGS Teacher Fellows who attended last year's conference will serve as mentors at the upcoming Fall Symposium. For more information visit [Geography 2050](#).

Rocky Mountain Map Society

[The Rocky Mountain Map Society \(RMMS\)](#) is a non-profit organization dedicated to the study and appreciation of maps and other items of cartographic interest. Members will be viewing a renowned map collection on Sunday evening July 23 at 6:00pm in Denver. Check the website for details.

Like us on Facebook



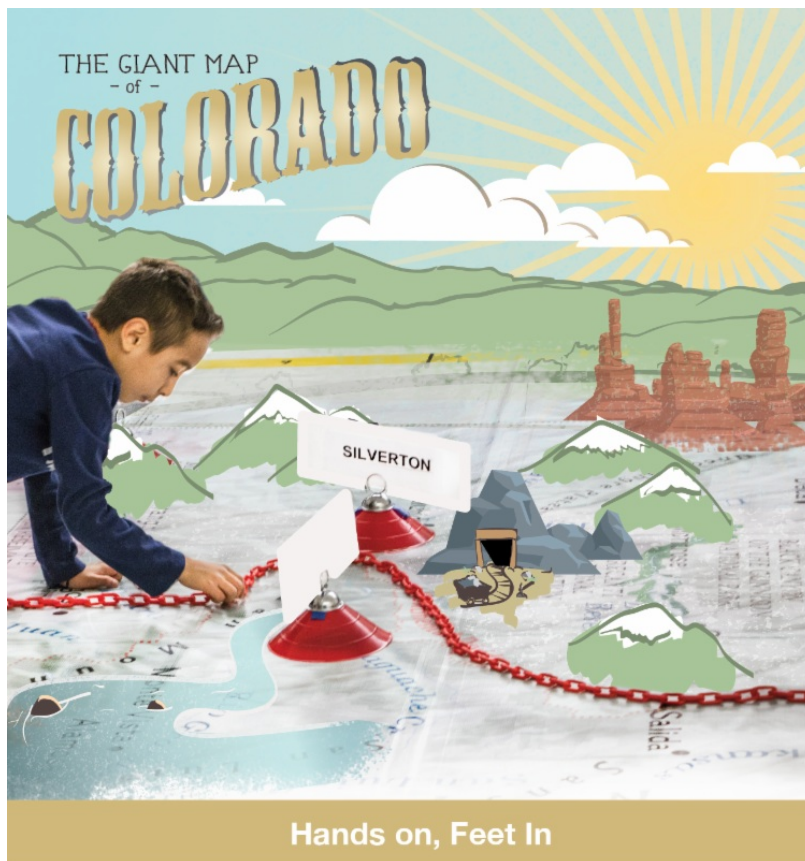
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Check out our blog



Join Our Mailing List!



Hands on, Feet In

Colorado students step into the Giant Map and travel to the Four Corners, Dinosaur National Monument, Mt. Elbert, and the Continental Divide.

Thousands of feet have walked across the Giant Map of Colorado, a special teaching tool provided by COGA at UCCS.

With your help, we can ensure that thousands of more feet experience this special teaching tool during the coming academic year.

Give



University of Colorado
Boulder | Colorado Springs | Denver | Anschutz Medical Campus



University of Colorado
Colorado Springs

Where has the Giant Map of Colorado been?

The map has traveled to schools in all corners of Colorado, including Norwood, Granby, Julesburg, and Walsh, and to conferences from TEDxVail to the Colorado Council for the Social Studies, even serving as the centerpiece of geospatial technology gatherings. The Giant Map has hosted small feet, large feet, feet that were out feeding stock before the sun was up, feet that rode bikes to school and feet that needed to borrow socks before they could explore the map. Over 20,000 people have gained a new perspective on the state. While most were students, the map also been traversed by professional geographers, water festival participants, and elected officials.

But there are still many places for the map to visit. The Colorado Geographic Alliance seeks support for funding travel of the Giant Map, for developing additional lessons and for maintaining maps and materials. Please consider

making a contribution - of any amount - to the Giant Map through the University of Colorado Foundation and let us know if there is anyone you know who would like to learn more about this important program.



To borrow the Giant Map for the 2017-2018 school year, visit the Colorado Geographic Alliance Giant Map [website](#) and provide the requested information through the survey. Check out the video to see how the map is made. The National Geographic Society is hoping to make maps available for purchase later in the year. More maps in Colorado will mean that more students will be able to use the map to understand the geography of the state. If your district, BOCES or nonprofit is interested in receiving more information about future map availability, please visit the [National Geographic Giant Map website](#) and complete the form.

Colorado Grosvenor Teacher Fellow

Congratulations to Jenny Bolch for being selected for the 2017 Class of Grosvenor Teacher Fellows. Jenny teaches second grade at Mackintosh Academy in Boulder. In May, she guided her students in exploring the Giant Map of Colorado. When Jenny is not teaching, she volunteers on Boulder County's mountain rescue team. You can frequently find her climbing on the side of a cliff, camping in the mountains or painting. Jenny often pulls from her travel experiences when teaching. She challenges her students to have a global perspective, connect with others and take action to make the world a better place.



The [Grosvenor Teacher Fellow Program](#) is a professional development opportunity made possible by a partnership between Lindblad Expeditions and National Geographic Education. The program is named in honor of Gilbert M. Grosvenor, Chairman Emeritus National Geographic Society and Education Foundation Board. Exemplary educators are recognized for their commitment to geographic education and given the opportunity to travel aboard the Lindblad-National Geographic fleet.

Beginning with the 2018 Grosvenor Teacher Fellow Program application, all applicants will be required to be [National Geographic Certified Educators](#) and members in good standing of their state's Alliance for Geographic Education. 2018 program applications will be posted in November of 2017.

Alliance Activities and Upcoming Workshops

BioBlitz Kits

COGA delivered BioBlitz kits containing tools that can be used in the field with students to selected teachers across Colorado. The kits have items including books, hand lenses, and nets to facilitate capturing and identifying insects or aquatic creatures. Sean Stevinson, a teacher at Bradford Intermediate School in Jefferson County, is excited about the school's new BioBlitz Kit and is ready to get his students outside to explore the world from a new angle.



Integrating the Social Studies Across World History

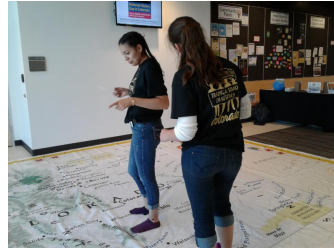
Enhance your skill in teaching core concepts and tools from history, geography, economics and civics that are emphasized in Colorado's seventh grade Social Studies Standards. The Program for Teaching East Asia at the University of Colorado, Colorado Geographic Alliance and the Colorado Council for Economic Education collaborate to bring this day-long workshop to middle school teachers. A subject-area expert will help you understand how each discipline might approach the teaching of World History, using the Silk Road as a common topic. Presentations will blend content and pedagogy and you will leave with sample lessons, resources and ideas for activities, including trade, primary sources, GeoHistoGrams and a look at Silk Road communities in modern times. High school teachers of World History are welcome! Saturday, September 9, from 8:30 am to 4:30 pm in Denver. Register at the [Colorado Council for Economic Education website](#).

Integrating the Social Studies Across Colorado History

This day-long workshop emphasizes core concepts and tools from history, geography, economics and civics in Colorado's fourth grade Social Studies Standards. An expert in each subject area will help you understand how each discipline views the world and, more specifically, Colorado. Presentations will blend content and pedagogy and will share resources to take back to your classroom. Saturday, October 7, from 8:30 am to 4:30 pm at History Colorado in Denver. Visit the [History Colorado website](#) to register.

National History Day in Colorado

The winners of the COGA special award for the best use of geography at the 2017 National History Day in Colorado are Dylan Wigglesworth from Denver School for the Arts in the Junior Division and Grace Bryant and Madeleine Gallop from Fairview High School in the Senior Division. Dylan's exhibit examined the Battle of the Alamo, including a discussion of the international implications of the Texas Revolution while illustrating the relationship between Texas and Mexico using maps. Grace and Madeleine's exhibit presented the difficulties that African-Americans had when traveling during the mid-twentieth century. They showed locations in the Western United States on a large-format map where African-Americans could stay and eat as described in the Negro Motorist Green Book.



Colorado Science and Engineering Fair

The winners of the Special Geography Award at this year's Colorado Science and Engineering Fair in the Senior Division are Kate DeMarsh and Madison Bohling, both seniors at Monarch High School in Louisville. Their project, *Cape Verde Hurricanes: How Genesis Point Impacts Landfall Latitude*, used maps and geographic coordinates to estimate the probability of hurricane landfall on the east coast of North America. Their mentor was Kristopher Karnauskas. In the Junior Division Julia Warnock, a seventh grader at the Poudre Global Academy, used GIS to map the amount of light that different parts of an open space received at night in *Habitats Most Affected by Light Pollution in Red Fox Meadows*. Her mentor was Andrew Warnock.

National Geographic Opportunities

Digital Educator Community

The Digital Educator Community invites you to engage with National Geographic explorers, staff and like-minded educators from around the world. You will also have the opportunity to opt in and be the first to know about online opportunities, events, training, resources and programs. You may join by visiting the National Geographic Education [website](#) and filling out the requested information

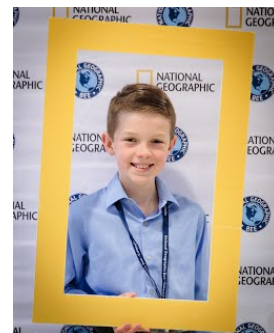
Education Grants

National Geographic seeks educators who have new ideas for effective strategies in teaching and learning - at any age level, with any audience and in any location - in the U.S. and internationally. The aim is to support educators in formal and informal settings, in community education and outreach, and educator professional development, as well as projects that aim to measure what works in teaching and learning. Grants will be awarded on a quarterly basis. Funded projects must align with one of the Society's three focus lenses: The Human Journey, Wildlife and Wild Places, and Our Changing Planet. These lenses are described in more detail on the [grants website](#). Upcoming submission deadline is July 1 for a decision by November 30.

Geography Recognition

Colorado Geographic Bee

Congratulations to [Henry Halgren](#), a student at Liberty Common School in Fort Collins, for winning the Colorado Geographic Bee. Henry, a sixth-grader, won the final round by correctly answering: "Altamira Cave, known for its prehistoric paintings, is found in the province of Cantabria in the north part of what European Country?" Henry knew the answer: Spain. As the state winner, Henry was awarded a scholarship from University of Denver for \$7,500 a year for four years in addition to his \$100 prize money and atlas.



Henry represented Colorado at the National Geographic Bee in Washington, D.C.



National Geographic Bee

Congratulations to [Pranay Varada](#), a student at Dewitt Perry Middle School in Irving, Texas, for winning the 29th annual National Geographic Bee in Washington, D.C. Pranay was presented with a \$50,000 college scholarship, a lifetime membership to the National Geographic Society and an all-expenses-paid Lindblad expedition to the Galápagos Islands aboard the new National Geographic Endeavour II.

ArcGIS Online Mapping Competition

Thanks to all the teachers who encouraged their students to submit maps to Esri's [ArcGIS Online U.S. School Competition](#). Roaring Fork, Grand Junction, and Cherry Creek students shared ways to look at Colorado from perspectives of tourism, air quality, and flooding. Judges included Mike Jones, GIS Analyst from the City of Centennial and Sophia Linn from the Geospatial Centroid at Colorado State University. While none of the maps are able to be publicly shared this year, Esri plans to offer the competition next year, so look for details about guidelines in the fall. The Colorado Geographic Alliance would be delighted to work with teachers and GIS professionals to support your students in creating award-winning maps. .

World Geography Bowl

Congratulations to all the Colorado geographers who were part of the Great Plains/Rocky Mountains Division team that won first place in the [2017 World Geography Bowl](#) in Boston at the Association of American Geographers Annual Meeting in April. The World Geography Bowl is an annual quiz competition for teams of college-



level geography students representing each AAG regional division. Winners included Sylvia Bradley, University of Denver; Noah Taube, University of Colorado Colorado Springs; Kate Rigot, University of Colorado Denver; Sam Smith, University of Colorado Boulder plus students from Kansas and Wyoming.

National Council for Geographic Education Award

Congratulations to Casey Allen, Associate Professor at the University of Colorado Denver, for winning the [Higher Education Distinguished Teaching Award](#) which recognizes and celebrates excellence in higher education geography teaching and leadership.



Reminder: there is still time to [register](#) for the annual [Conference on Geographic Education](#) in Albuquerque from July 27 to 30.

Geospatial Technology



Explore free instructional resources for ArcGIS Online. Geoinquiries are short, standards-based inquiry activities for teaching map-based concepts found in commonly used textbooks. Check out the collection for [American Literature](#) and for [Mathematics](#), being tested this spring.

What Geographers Do



John Harner, Ph.D.

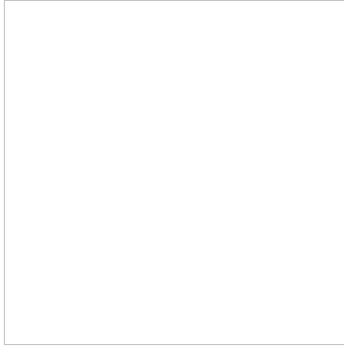
John Harner is a professor of geography at the University of Colorado at Colorado Springs (UCCS). He earned a Ph.D in geography at Arizona State University. His areas of interest include: Political Economy of Place; U.S.- Mexico Connections and Integration; and The American Urban Landscape. He received a Fulbright Scholar from Guadalajara, Mexico in 2005 and received the Innovations in Teaching with Technology Award from UCCS in 2002. He was the Chair for the Department of Geography and Environmental Studies at UCCS from 2009 to 2015 and currently serves on the Board of Directors for the Catamount Center for Geography of the Southern

Rockies.

In collaboration with museum director Matt Mayberry, John Harner helped create [The Story of Us](#), a new free exhibit at the Colorado Springs Pioneers Museum. Several years ago, Dr. Harner pored over the museum's extensive map collection during a sabbatical, he and Mayberry began to brainstorm ways to make the collection more available to the public. The Story of Us allows users to explore the history and geography of the area using 21st Century technology. The exhibit consists of two components. The first component features two large-scale touchscreen computers with 26 squares resembling classic wooden blocks. Each letter transports the viewer into a historical topic related to Colorado Springs. The second component features 100 real life artifacts in 26 mini exhibits throughout the gallery, each complementing its corresponding letter and theme.

Visit the [What Geographers Do](#) archive to learn about other geographers.

COGA on Facebook, Twitter, and Blog



Follow us on Facebook

Our [Facebook page](#) posts upcoming events that are open to the public. You can also find interesting links to photo galleries and articles on geography.

Follow us on Twitter

Looking for a place to upload those great photos from the visit of the Giant Map of Colorado? COGA now has a [Twitter account](#). Share your perspectives with [#ColoradoGiantMap](#).

Check out our Blog

[COGA's blog](#) shares workshop opportunities and professional development sessions for educators as well as geography education resources.

Colorado Geographic Alliance

VISION:

Changing our understanding and experience of the world

MISSION:

To instill and nurture spatial awareness and geographic literacy

VALUES:

Inspiring passion for Earth and its inhabitants
Connecting people with geography
Honoring inclusivity and diversity
Exploring physical and human environments
Developing spatial perspective

Ideas for upcoming newsletters? Great topics, links, or upcoming events you'd like COGA to share with geography educators? Let us know! We're here to connect.

coga@uccs.edu

This project is funded in part by a grant from the National Geographic Society Education Foundation.