Summer Instructors:

Stan Beckwith, a Michigan Cheee Association Hall of Fame member, is perhaps overqualified to lead our summer cheese camp. Stan has competed in world and national tournaments over the years and traveled to Krakow, Iceland, to witness the classic world championship match between Bobby Fischer and Boris Spassky.

Bill Brigger is a lifelong writer and enthusiast of all things science fiction. He graduated from Western Michigan University in 2001 with a degree in Education and Literature and with a creative writing minor. He has taught at WMU, Kalamazoo Public Schools and in Japan. Bill has been an instructor for the Academically Talented Youth Program for several years, where he co-developed the new ATYP IV course, which focuses on philosophy and the ethical dilemmas posed by new technology.

Becky Cooper is coordinator of the ATYP English department and an ATYP English instructor, and has been with the program since 1997. Becky received an MFA from Western Michigan and has been published in several literary magazines. She is presently seeking publication for her poetry manuscript, How the Body Learns to Fight and working on two novels. Becky lives in Kalamazoo with her husband, Tom Deater, and her son, Whitman Bowie.

Marcella Huston is an artist, photographer and teacher. After graduating from Columbia College in Chicago with a BA in commercial photography, she worked as an architectural photographer and her photographs of buildings have been published in books and magazines. After nearly ten years, she moved back to Kalamazoo, and now teaches high school art in Water Valley. In recent years, the focus of Marcella's photography has shifted from commercial work to her two daughters, Madalins and Natalie.

Kathy Mirakovitz teaches forensic science, biology, and physics at Portage Northern High School and physics at Kalamazoo Valley Community College. Additionally, Kathy conducts graduate level workshops across the United States for teachers who wish to learn the application of forensic science in a high school curriculum, has developed numerous forensic science educational products, and co-authored the textbook, Forensic Science: The Basics, 2nd Edition, with Dr. Jay Siegel. She is also the recipient of several state and national teaching awards.

Dr. Kelly Schultz has a finger in lots of pots - she teaches computer science for ATYP, is the ATYP Director, and taught computer science courses for Kalamazoo College. She earned her Bachelor's degree in Computer Science from WMU, her Master's degree in mathematics from the University of Alabama in Huntsville (the hockey capital of the south), and her PhD, in Math from WMU.

Paul Bizer, a comic artist/writer and self-publisher, has been drawing comics since age five and has shown steady signs of improvement ever since. Working in comics for the last 15 years, Paul started his own self-publishing company (CAFE DIGITAL STUDIOS) in 2005. He also runs BIZER DESIGN & ILLUSTRATION, his own freelance design studio. Paul's critically acclaimed graphic novels sell all over the world. He hosts library and school workshops about comics and comic creation statewide and nationwide. Paul lives and works in downtown Kalamazoo with his wife and fellow comic creator, Jane Irwin.

Michiko Yoshimoto is a graduate of Yokohama City University and has her Master's degree from WMU. She works as the Japan Outreach Coordinator for the Asia Japan Center at WMU, where her job is to provide information about Japanese culture, society, everyday life, and language to local community groups and schools, fostering an exchange of ideas between the United States and Japan.

Directions: Most ATYP Summer Programs are held at either Schneider Hall or Kohn Hall on the campus of WMU. To get to these locations, find your way to the intersection of Howard and West Main Streets and then follow the map below to the back of the building for drop off. Interactive maps are available at http://www.wmich.edu/maps. If your camp is at a different location, it will still be on WMU's campus, but we will email you the exact directions the week before the camp.

For bright kids who are eager to learn...

- 1/2 day camps
- $155/camp
- No eligibility requirements
- Grades 6-9 and incoming seniors
- Free t-shirt
**Forensic Science:** NEW! Forensic scientists use skills and techniques that come from a variety of disciplines—biology, chemistry, physics, earth science, mathematics, and technology—to solve mysteries. This course, taught by the director of forensic science faculty, covers the principles of crime scene evidence detection, as well as patterns and impressions, serology, DNA analysis, and fingerprint analysis. Students will process DNA, roll and identify fingerprints, and assist in determining their skills in a mock crime scene. Led by Kathy Mitchell. Grades 8-9, June 26-30, 9 a.m. to noon, Schneider Hall. Additional $10 materials fee.

**Graphic Novels:** Learn how to take your ideas from sketchbooks to real books (including character development and refinement, portfolio reviews, and critiques) through the art of the graphic novel. Learn how to progress from concept to art to final product, and how to work with programs such as Photoshop and Manga Studio to create comic pages. Bring your own work in progress, and come to class ready to draw and sketch along as you investigate the power of visual graphic language. Led by Paul Sizer, Grades 7-9, June 26-30, 1 to 4 p.m., Schneider Hall.

**Science Fiction Writing:** For students excited by the thought of alien civilizations, future technology, and creative dystopias, this will be a fun and enriching week spent exploring various aspects and elements of science fiction. This class is for fans of the "Hunger Games," "Star Wars," "Dr. Who," "Divergent," "Avatar," or more rigorous science fiction. Through writing exercises, discussions, and various hands-on activities, we'll explore the fundamentals of science fiction and writing so that you can apply those lessons to your own work, and create fiction of your own. Led by Bill Brierger. Grades 7-9, July 10-14, 9 a.m. to noon, Schneider Hall.

**Pinhole Photography:** IT'S BACK! Build Your Own Working Camera! With the touch of a button, you can create an image, but do you know how the physics of photography work? Pinhole photography is photography in its most basic form. The images created from pinhole cameras are one of a kind, with unique visual qualities. The only materials required are a light-tight container with a small hole, photographic paper, and a simple shutter to control the exposure. This workshop provides a fun and exciting opportunity to study the basic principles of photography. Students will create their own camera and learn to take pictures with it. Students will learn the history of the pinhole camera and the principles of aperture and exposure, and will develop their own black and white paper negatives in a darkroom and make prints from the negatives. Led by Marcella Hunt. Grades 6-9, July 24-28, 9 a.m. to noon, K1201 Kohrn Hall. Additional $10 materials fee.

**Cheese:** Students experience cheese instruction and play in a fun-filled environment designed to improve their skills whether they are interested in casual or competitive cheese. This program includes a mix of instruction (although students are expected to understand the basic rules of cheese) and play time. Historic and competitive end games and openings will be taught. Led by Stan Beckwith. Grades 6-9, July 17-21, 9 a.m. to noon, Schneider Hall.

**Japanese Language & Culture:** Learn all about basic Japanese language, including writing and greetings using Manga/Anime, calligraphy with brush and ink, folding origami, tips about wearing traditional clothing like the Yukata (summer kimono), Japanese food, songs, and more. Led by Mihoko Yoshimoto. Grades 6-9, July 10-14, 1 to 4 p.m., Schneider Hall.

**Ceramic Whistles:** IT'S BACK! Learn the basics of working with clay as you create your own functional whistle. Begin with two hollow spheres of clay, carve some features, add a couple of arms, wings, or tentacles, and the final piece is a unique and whimsical creature of your own design. This class is perfect for both the student new to clay and the more experienced young artist. Independent thinking, creativity, and problem solving is encouraged every step of the way. Led by Marcella Hunt. Grades 6-9, July 24-28, 1 p.m. to 4 p.m., K1201 Kohrn Hall. Additional $10 materials fee.

**Multimedia Games with Scratch:** NEW! Scratch is a computer program that uses block-like puzzle pieces to enhance learning the core concepts of computer programming. Utilize a programming language designed to produce rich, interactive media while developing important 21st century skills. Work at your own pace to create an original game. Led by Marty Trautman. Grades 6-9, July 17-21, 1 to 4 p.m., Schneider Hall.

**Lunch:** Most ATYP Summer Programs run back-to-back (morning to afternoon). While we do not provide lunch, students are welcome to bring a lunch to campus, where staff will be on hand to provide supervision. Please indicate during registration if your child will be staying on campus for lunch. Vending machines are available.

**REGISTRATION INSTRUCTIONS:** To register for all ATYP camps, please visitwmich.edu/precollege/atyp/summer and click on “Register Now.” Once you have successfully finished this process you will receive a return email confirming your registration.

- All campers receive a free t-shirt; be sure to indicate shirt size during the registration process.
- $10 discounts are available for students taking more than one camp. When registering for your second camp, type “Multi” into the space asking for a promotional code when you get to the step where you put in your credit card information.
- Partial scholarships are available for students who qualify for free or reduced lunch. Simply complete the registration process and have your school send a letter confirming your eligibility. We will refund 1/2 of the registration fee.
- Please register early—some camps fill up fast! There is a $10 late fee for registrations after June 2.
- Most summer camps are capped at 20 students.

Office of Pre-College Programming
Western Michigan University