

2014 Grandparents, Grandkids, Grand Valley (G3) Camp Session Offerings

Presenter	CoPresenter	Session Title	Description *Sessions with asterisk are 180 minutes in duration. All others are 90 minutes.
Naomi Aldrich		<i>Exploring the Human Brain through Zombie Behavior</i>	Have you ever wondered why zombies act the way they do? Join us in exploring how different parts of the human brain influence our abilities and see how zombie brains differ from ours. Come create your own zombie "brain" and investigate how the brain affects your behaviors in a set of mini-experiments.
Elizabeth Arnold	Gwyn Madden Jan Brashler	<i>The Real Indiana Jones: Archaeology in Today's World</i>	Did you know that when you text your friends and family on your phone you may be writing like an ancient Egyptian? Did you know that Indiana Jones and Lara Croft are actually terrible archaeologists? Did you know that CSI does not accurately depict forensic anthropology? This course looks at what anthropology and archaeology really are in today's world. Learn forensic procedures. Experience recovering artifacts and interpreting what they mean and the behavior behind them.
Dan Bergman		<i>Making Sense of Our Senses</i>	Inspire your senses in this interactive exploration of the five basic human sensory systems. We will learn how and why grandkids and grandparents sensory systems differ in the stimuli we can detect.
Debra Burg	Steve Hecht	<i>Watching Out for the Little Guys: Testing the Effects of Water Pollution</i>	Come do a little laboratory work to test the effects of environmental pollutants on the little critters that live in our water sources. We'll make some observations under the microscope and work on graphing our data to share with the class.
Amy Campbell	Dustin Mier	<i>Navigating Technology into Your Workout</i>	As our society becomes more technologically advanced, we are also becoming less fit and more sedentary. But it doesn't have to be that way! Come learn how to use technology to your advantage- from monitoring exercise levels, finding new ways to exercise, keeping track of calories, and websites that reward you for exercising!
Brad Gordon	Amy TerHaar	<i>Tour of WGVU Public Media</i>	Visit the WGVU public radio and television facilities operating from the Meijer Public Broadcast Center, at the University's downtown Grand Rapids campus. Take a tour to learn about the technology and the business of broadcasting! (You must provide your own transportation to the studio.)
Grace Coolidge		<i>The Rotten Renaissance</i>	The Renaissance is often described as a time of great ideas, art, and learning; but it was also a time of death, war, poverty, and plague. Come join us for a role playing game where you make the choices. Will you thrive or perish? Will you build cathedrals or die from the plague? Will you conquer your foes or get tried as a witch? We'll give you a character and a background story and you can take your chances as you navigate adventure, pirates, dismemberment, true love, war, and the Black Death.
Margaret Dietrich	Matt Christians	<i>Why is an Apple Red and an Orange Orange?</i>	Do you like to play with your food? Come and mash up some fruit and learn the science behind why every living thing is different. Participants will collect the DNA from their favorite fruits and use origami to understand the structure of the DNA molecule.
Christopher Dobson	Sara Tiesenga	<i>Flying Fruit: Science in Action!</i>	How do flowering plants disperse their offspring when they are literally rooted to the spot? Come investigate (play with) maple helicopters to explore one tree's solution and practice thinking scientifically too!
Douglas Furton		<i>Hands On Heads Up Astronomy</i>	Participants will make and learn to use handy tools to predict how the sky will look at different times and dates. Learn how to plan to find conspicuous constellations in the sky. Learn how to tell time by looking at the Big Dipper. Learn how to tell a planet from a star and more!
Beth Gibbs		<i>Sing, Move, and Play: Exploring Creative Musical Response</i>	Everyone has an inner musician – come find yours! Participants in this session will experience creative musical expression through songs, movement activities, and performance on percussion instruments. This will be a very active musical session using multiple movement props and instruments to engage everyone in musical response and simple improvisation.
Kay Hart		<i>GVSU Farmers Market and the GVSU Sustainability Initiative</i>	Visit the GVSU Community Garden Hoophouse and learn about the conception of the GVSU Farmers Market and the Community Garden in line with the GVSU Sustainability initiative. A scavenger hunt through the Farmers' Market will allow opportunities for grandparents and grandchildren to find healthy produce.
Ray Kusmack		<i>Summertime Snacks</i>	Learn how to make fun summertime snacks for afterschool and picnics. Customize your own menu with new

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			and exciting ideas to make the boring old snack fun again! Learn with hands-on cooking activities that professional chefs use to present creative food.
Nancy Mack		<i>Math Detectives</i>	Do you like digging for clues to figure out codes and puzzles? In this class, we will uncover clues to learn about number systems of various cultures.
Karen Meyers	Kathy Agee	<i>Family Engineering</i>	Explore the world of engineering through fun, hands-on activities. Learn how engineers are inspired by nature and participate in design challenges that will stretch your creativity and problem solving skills.
Peter Anderson		<i>Greek and Roman Mythology Workshop</i>	This workshop includes readings and storytelling of Greek and Roman myths drawn from their original sources. Learn about the culture and history behind the myth. Retell the myths through acting, drawing, or writing!
Chelsea Ridge		<i>One Direction vs. Transformers</i>	Why do you like one over another? Why might you like One Direction, while the person next to you likes the Transformers? Is it because of age and gender? Sociologists love to study these kinds of questions. In this session, we'll use statistics to look for patterns that help us uncover the answers.
Peter Riemersma		<i>Exploring Rocks and Minerals</i>	Do you have a curiosity about rocks and minerals? We'll learn what minerals we consume as part of our daily lives, simulate volcanic eruptions using Mentos, and inspect minerals from the GVSU collection that range from meteorites to Petoskey stones. We will test your ability to make observations and identify minerals and rocks. We will examine stone buildings and boulders on campus and unravel the story they have to tell us about how they formed. Then, take home a rock from the GVSU Rock Pile!
Kelly Ross		<i>American Detectives</i>	Before Sherlock Holmes and Encyclopedia Brown, there was C. Auguste Dupin. Edgar Allan Poe wrote three short stories featuring Dupin in the 1840s. Many literary historians now trace the beginning of the detective fiction genre to these early 19 th century stories. Come meet the man who is known as the first fictional detective and see if you can solve the crime before Dupin! We'll learn about the history of detective fiction and policing in 19 th century United States, and we'll write and draw our own detective stories. Next, compare the Dupin stories to your favorite detective stories and see what has changed in 170 years—and what's stayed the same.
Lindy Scripps-Hoekstra		<i>Stop Pete the Polluter</i>	Grand Valley's Mary Idema Pew Library has been nationally recognized as an environmentally friendly building, but the villainous 'Pete the Polluter' is trying to wreck this! By solving clues and tracking Pete the Polluter around the library, you can help stop him from destroying the library's eco-friendly features just in the nick of time. Working in teams, participants will learn online search tips to help them solve clues and will be able to check out the new library's features by tracking Pete the Polluter through the building.
AWRI Staff		<i>*Hands-on Science on the WG Jackson Research Vessel</i>	*Come on a water quality testing excursion on a research vessel. We will explore Muskegon Lake and see Lake Michigan. Be a scientist for the morning as you collect samples and analyze them in the onboard laboratory. Learn about invasive species and how we can protect our lakes. (Register for both sessions CD403 and CD404. You must provide your own transportation to Muskegon.)
Richard Vallery	Karen Gipson	<i>Squishy Circuits</i>	You are never too young or too old to learn how circuits work!! Learn how electricity makes everyday objects, like light bulbs, work using specially formulated squishy dough.
Richard Vallery	Karen Gipson	<i>Bright Idea! Let's Learn About Light!</i>	Light is an exciting and interesting phenomenon. It surrounds us and allows us to see the world around us. But there are tricky questions. What is it? How does it interact with stuff? Can we manipulate it? How can it be white one minute and many colors the next? We will go into the lab exploring the nature of light and learn more about what it is, what we can do with it, and how we see.
Angela Morrison		<i>Introduction to Law Enforcement</i>	This course will focus on some of the activities that a law enforcement officer might perform in the course of his or her regular duty shift. We will provide classroom information as well as allow participants to observe some of the special skills, such as physical training, the process of making traffic stops, defensive tactics, criminal investigations and other special unit functions (SWAT and/or K-9).