

Submit a separate form for each child

TIME	SESSION TITLE	SESSION DESCRIPTION	PRESENTER
9:00 10:00	Why Do We Stay in Bed When We're Sick?	Most of us behave differently when we're sick, and other animals are no exception. Why do some animals "hunker down" when they are sick? Why do others act like "zombies" and do things they normally wouldn't? How do these different behaviors affect the spread of disease? We will discuss the many ways in which infections can change the behavior of animals, and why.	Dana Hawley Associate Professor Department of Biological Sciences Virginia Tech
10:15- 11:15	Explore States of Matter with Oobleck! Is Oobleck a solid or a liquid?	Explore the fascinating world of Oobleck, find out how it affected Bartholomew Cubbins' town in the Dr. Seuss book, Bartholomew and the Oobleck, make some Oobleck yourself in class, and take some home with you for additional investigation. Lots of opportunities for sharing ideas about the mysterious green glob.	Diane Tomlinson Science Specialist Doctoral Candidate Virginia Tech
	Creating and Baking an Edible Globe	We will discuss the four hemispheres, the Equator, the Prime Meridian, the seven continents, and the five major oceans. Students will locate each of the continents on an individual flat edible globe and divide the globe into Northern, Southern, Eastern, and Western hemispheres. Following the discussion and the identification of each land mass, the students will use edible materials to create a replica of our world. The students will bake their individual globes and eat them one continent at a time.	Debbie Minton Reading Specialist Montgomery County Schools Culinary Kitchen
	Microbiology: The Good, The Bad, and the Smelly	In this session students will learn about bacteria and the role they play in the world around us. We will examine bacterial growth in petri dishes and discuss the key characteristics of medically-important species that we observe. Parents and students will work together to identify "unknown" species by comparing their features to what we have observed. Students will also be able to see different types of bacterial cells under the microscope.	Dr. Josh Williams Assistant Professor of Clinical Laboratory Science Virginia Commonwealth University
	Forensics	Immerse yourself into crime scene investigation in this course! We will explore methods used by forensic scientists to solve various crimes. This hands-on session will feature fingerprinting, using lipstick pigments to find identify a suspect, and shoe print analysis.	Amanda Chitwood Science Teacher Washington County Public Schools
	Math is Great! Math is Awesome!	You will work with Virginia Tech students to discover The Sound of Fractions! You will create your own rhythms, listen to others, and transform your rhythms into fractions.	Christopher Frisina Doctoral Candidate Virginia Tech
	Therapy Dogs	Learn what service and therapy dogs do for the people they help. Learn some helpful tips for caring for your pets.	Bess Pierce Associate Professor College of Veterinary Medicine-Virginia Tech
	Moving with Math and Science	In this active workshop, we will explore important key concepts in science and math through movement. Let your body guide your learning experience. Get ready to MOVE!	Megan Atkinson Director, Project REAL Barter Theatre

Rank your choices 1 through 7

Students will participate in 2 sessions before lunch and one after lunch

Lunch is provided for students and parents

Schedules will be picked up when you check in at 8:30 am -8:50 am