***Ms. Lora Morris (Nursing*), *Ms. Joan Stiedl (Human Services Tech*.), *Dianna (South Madison Elem.) and Gary Misich will be at the Registration table for the competition by the large lecture hall.***

**Set up for the Challenge /Check in/Welcome/Runners 8:15-9:45 am**

1 Matt Barber 2 Justin Wright

**Set up for Hands-on experiments 8-9:15 am**

1 Anthonie Magda 3 Elizabeth Hembree

2 Katie Cline 4 James Marshal

**Check in/Welcome Chef Elisha (Clapacs) will be THE “go-to” person if you have ANY questions about the hands-on experiments!**

Desc.: Welcome guests and volunteers at the table at the top of the stairs of the science building. Guests/Volunteers need to sign class lists, etc. ACS booklets. Cover empty spots in the schedule!!

SHIFT 1 (9-10:15) SHIFT 2 (10:15-11:30)

1 Cassie Lange 1 Raechel Jarvis

**EXP 1. ROOM 218 Putting the Pop in Popcorn** Desc.: share the science of popcorn (using an air popper and a handout) with guests.

SHIFT 1 (9-10:15) SHIFT 2 (10:15-11:30)

1 Shawne Durey 1 Elizabeth Hawkins

2 Kylie Orrenmaa 2 Carrie Pascarella

**EXP 2. ROOM 218 Sno-Cones** Desc.: Help guests make sno-cones to eat…’nuff said ☺.

SHIFT 1 (9-10:15) SHIFT 2 (10:15-11:30)

1 Elizabeth Hawkins 1 Jenny Hamilton

2 Jordan Stills 2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**EXP 3. ROOM 218 Potential Energy Toys I: “rotational energy” toys** Desc.: guests make various toys spin and/or do tricks (inverting tops, rattle backs, sizzlers).…Please don’t let my toys “walk away”… ☺

SHIFT 1 (9-10:15) SHIFT 2 (10:15-11:30)

1 Gabrielle Harner 1 Ms. Ackley (St. John)

2 Lana Iverson 2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**EXP 4. ROOM 218 Potential Energy Toys II: “spring energy” toys** Desc.: guests make various toys do tricks (dropper poppers, bimetallic jumping disks, boinks, alien spring toys, happy/sad balls, pop rockets, frog toys)….Please don’t let my toys “walk away”… ☺

SHIFT 1 (9-10:15) SHIFT 2 (10:15-11:30)

1 Lindsey Bruns 1 Lindsey Bruns

2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**EXP 5. ROOM 216 Make bracelets with Pipe cleaners and UV active beads and UV lamps** Desc.: Help guests guest make a “take home” bracelet with UV active beads.

SHIFT 1 (9-10:15) SHIFT 2 (10:15-11:30)

1 Indianelys Cosme 1 Brittany Rowe

2 Chelsa McArdle 2 Jenny Polch

**EXP 6. ROOM 216 Make COTTON Candy** Desc.: hhhmmm!!!

SHIFT 1 (9-10:15) SHIFT 2 (10:15-11:30)

1 Ashley Soppitt 1 Ashley Soppitt

2 Brittney Soppitt 2 Jessie Rippin

**EXP 7. ROOM 216 DNA Model Building and Metanon Game** Desc.: Using K’nex pieces, build a DNA model and play the Metanon Game designed by my father-in-law, Dr. Donald Abraham.

SHIFT 1 (9-10:15) SHIFT 2 (10:15-11:30)

1 Josh Forristal 1 Aaron Williams

2 Annmarie Armstrong 2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**EXP 8. ROOM 216 Avogadro’s Rockets** Desc.: make rockets out of paper, clay and straws and send them to the stars.

SHIFT 1 (9-10:15) SHIFT 2 (10:15-11:30)

1 Alex Vernyi 1 Morgan Cuccaro

2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2 Rachel Thompson

**EXP 9. Chemistry Lab ROOM 245 Exploring Glow sticks and temperature affects** Desc.: Guests learn about endothermic and exothermic processes and the effects of hot water and/or ice water on the brightness of glow sticks. Dip one end of an un-activated glow stick in hot water…Put the other end in ice water..what happens? Then, activate the glow stick and put in the hot or cold water…what happens? Kids can keep 1 glowstick!

SHIFT 1 (9-10:15) SHIFT 2 (10:15-11:30)

1 James Marshall 1 Marijane King

2 Devin Hanna 2 Kathyrn Osborne

**EXP 10. Chemistry Lab ROOM 245 ZOTZ Candy Experiment** Desc.: Wrap a ZOTZ candy in a towel and hit with a pestle to open…using a metal spatula, scrape the white powder onto a watch glass…add a few drops of water…observe. Toss broken candy pieces into trash and give guests a new piece of candy to eat when they leave the lab.

SHIFT 1 (9-10:15) SHIFT 2 (10:15-11:30)

1 Patricia Todd 1 Stephanie Bamber

2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**EXP 11. Chemistry Lab ROOM 245 Fluorescent Colored Magic sand** Desc.: water is added to sample and sample is filtered thru filter paper…sample stays dry (it is hydrophobic)! Kids can take home their sample of Magic sand!

SHIFT 1 (9-10:15) SHIFT 2 (10:15-11:30)

1 Mystic Buik 1 Devin Hanna

2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**EXP 12. Chemistry Lab ROOM 245 Anodization of a Titanium Wire** Desc.: Using titanium wires (take home), guest will vary the voltage and exposure time in an electrochemical cell. The thickness of the oxide developed on the titanium wire correlates directly to the color of light reflected. This activity reinforces knowledge about anodes and cathodes as well as the thin film interference of light.

SHIFT 1 (9-10:15) SHIFT 2 (10:15-11:30)

1 Drew Stuerer 1 Drew Stuerer

**EXP 13. ROOM 214 Balancing Peacock Feathers**

Desc.: Help kids look at the “eye” on a Peacock Feather and balance a Peacock feather on their finger, on their nose, etc. Please don’t let my feathers “walk away”… ☺

SHIFT 1 (9-10:15) SHIFT 2 (10:15-11:30)

1 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 1 Alexis Lick

2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2 Biddy Keenan

**EXP 14. ROOM 214 Face painting**

Desc.: Creative volunteers with artistic skills can paint various designs on guests faces

SHIFT 1 (9-10:15) SHIFT 2 (10:15-11:30)

1 Faithe Grippe 1 Kalie Warren

2 Victoria Watson 2 Victoria Watson