

KIDS' EVENTS AT THE RG

ALL WEEKEND

- Weekend long Lego building and Life Size Minecraft Block building. This year we have added Lego Mindstorm robot building!
- Weekend long Lego Building Contest, winner awards to be presented at Sunday's presentation of prizes.

FRIDAY

6-7 pm – Mystery Icebreaker and Pizza

7-8:30 pm – Video Games Programming with GameStart School:

<http://www.gamestartschool.org/> – At GameStart School, we teach kids how to program using video games! Design, build and write code for games like Minecraft, StarCraft, Roblox and Portal in a variety of software development environments. Our 90-minute workshop will give you a chance to write Python code that directly impacts the Minecraft world around you!

8:30-9:30 pm – Kids' Pool Party!

9:00 pm – Kids' Attend Chocolate Orgy – We'll have some great kid-friendly options at our chocolate orgy this year. We have a chocolate fondue fountain and sprinkles!

SATURDAY

9-10:30 am – Kids' Take-It-Apart Party – A number of people have volunteered to bring “old junk” in for this event. We'll have basic electronics, computer equipment, etc., and we can always use more. Bring your old junk to find out what is inside of it! We will have our special head screwdriver set and some other tools available, but please feel free to bring your own wrenches, screwdrivers, pry tools, socket wrenches, nut drivers, adjustable wrenches, hex drivers, or pliers, if you would like. Please do not bring dangerous tools such as hatchets, hammers, razors, chisels, saws, etc. to help us insure everyone's safety. Thank you!

10:30 am – noon – Kids' Karaoke – Everyone loved our Kids' Karaoke workshop last year. This year we will be having a Karaoke contest! Our Karaoke machine uses your mobile device, so download your song ahead of time, if you can and practice at home! Bring your device in for the contest. Many Karaoke songs are downloadable for free from the web. If you can't bring a mobile device just bring the name of your favorite song and we will bring it up for you at the event!

Noon to 1 pm - Lunch

1:00 – 2:30 pm – Genes and ConSEQUENCES Lab – Have you heard of bioinformatics? This field merges molecular biology with computational techniques. Do you want to use the same tool geneticists worldwide use to analyze genetic sequences and use detective work to find out what has caused a patient's disease? Then this is the lab for you! This is a great chance to learn about the BLAST tool: <http://blast.ncbi.nlm.nih.gov/Blast.cgi> and the Human Genome Project, too.

3:00 – 5:00 pm – Mystery Chemical Lab – Learn first hand about the properties of chemicals and reactions in this lab. You will be given a set of mystery chemicals and reagents, and will use them to create multiple reactions. You will follow the scientific method, making careful observations like a good detective, which every scientist must be. With your careful technique, you will successfully identify these mystery compounds and learn about chemical stoichiometry in the process!

5:00 – 6:30 pm – Finger Loom with Cat Allison of Party On in Farmington Hills:

<http://partyon-supplies.com/> – There will be a short lecture about the history of Rainbow Loom, products, and creations. Then we will use a variety of colorful rubber bands and a small Finger Loom to create bracelets. This is a great class for beginners of any age who enjoy crafting with their hands. Adults are encouraged to join in on the fun and either assist younger students, or make their own. Not recommended for 4 years and younger.

6:30 – 7:30 pm - Dinner

7:30 – 9:30 pm - Kids' Science Fiction / Gamer Convention - Bring your favorite Sci Fi Costume to wear to this fun event. We will have games, snacks, Sci Fi movies, etc. for your favorite young Sci Fi fan. We'll also have a contest for best costume!

SUNDAY

10 am – 11 am – Polyhedra Power! – Have you heard of Stella

<http://www.software3d.com/Stella.php>? This is a funky software program which allows you to design, print and assemble your own personal polyhedron. We will be operating Great Stella and a color printer to produce polyhedra only limited by your imagination! Come join us for fun polyhedra creation!

11 am – noon – Arts & Scraps Workshop - Let's learn to finger weave and make some great hippy headbands!

11 am – noon – Lego Project Judging – Be sure to have your child's Lego project ready for judging in the Kids' Room at this time!

Noon – Prizes Ceremony – Lego, Karaoke and Sci Fi Costume contest prizes/certificates to be awarded here!