

Vintage Hills “Lego Club” for 1st to 3rd Graders – 2015/2016

Dates and Times – Specific Wednesdays 8-9 am (exact dates TBD)

- **Dates:** TBD
- **Mid April: Science Fair Bonus Session:** Come join in the fun at **Legolympics** on the evening of **April 15!**
- **Late May – Kit Cleanup Day – All Parents:** On the last day of class, parents come in, take apart the kits, locate missing parts and get everything back in good working order for next year’s group.

Location - Hallway between 4th and 5th grade (using tables).

Maximum enrollment – 20 students (1-2 students per Lego kit). With enough volunteers, we could have 2 groups on alternating weeks (as with Robotics).

Resources— 3 types: (1) Red Lego Kits for simpler projects; (2) Black Kits for more complex Amusement Park rides; (3) White Kits for RCX RoverBots.

Projects — some pre-planned (we have instructions); some creative (let students explore). Some projects are also done in Ms. Perazzo's Science class, and will be extended here. No Lego experience necessary. There is no programming in Lego Club.

Three Goals — Have fun playing together with Legos in a group. Train students in specific fundamental STEM concepts. Build projects that best achieve specific goals.

Gender Balance – Project options will be chosen to appeal widely to girls and boys.

Kit Cleanup Day — Keeping the kits “good as new” is vital to long-term Lego programs. Parents must plan to do one of their volunteer hours on this day at the end of the year.

Legolympics Volunteers – 2-3 parents to help with "Legolympics" on the night of the Science Fun Fair (mid-April). For us the Science Fair is a giant Lego party, and the students have tons of fun improving and showing off their projects. This is also the main way we advertise the program for next year.

Parent Assistants — Most important! We need 1 parent present for every 5-10 children. Parents circulate among the students, spotting problems and helping them. Previous Lego experience is definitely not necessary.

Older siblings – 4th to 8th grade siblings can come & help teach the 1st, 2nd & 3rd graders!

Leader(s): Manages the kits, tests project ideas, and plans activities for each week. Communicates plans to other volunteers, runs class sessions, etc. This is a shared role – Mark Betker is our returning volunteer but he could use help.

Parent Coordinator: Organize Shutterfly site, manage volunteers, coordinate emails...

Program Guidance & Support: Bob Heeter (also Robotics Leader. bob@heeter.net)

PTA Enrichment Lead: Vivian Shum (vivianshum@gmail.com)