



Girl Scout Council of Greater New York
43 West 23rd Street New York, NY 10010
(212)-645-4000 FAX (212) 645-4599
www.girlscoutsnyc.org



ClubZOOM Engineering Patch Program

What is the *ClubZOOM Engineering* program?

ClubZOOM engineering is built around five different ZOOM activities that are designed to inspire kids ages eight to twelve to invent, built, brainstorm, tinker, design, and work together. ZOOM is a daily PBS television show, Web site, and educational outreach campaign that motivate kids to become actively involved with the world. ZOOM features a diverse cast of seven kids who bring to life activities sent in by viewers from across the country.

How Does *the ClubZOOM Engineering* work with the Girl Scouts?

The ClubZOOM Engineering program is centered on five engineering challenges, each challenge takes about 1 to 1 ½ hours to complete. These fun-filled activities teach the girls that engineering is about exploring multiple solutions and solving problems. The activities are divided into steps to mirror this process: **Get Started** (define the problem and start thinking of solutions), **Design & Build, Test, Redesign, and Share Results**. The activities include:

- Super Golf Tower- Construct a giant newspaper tower that will hold a golf ball.
- Hovercraft- Build a vehicle that glides on a cushion of air.
- ZOOM Glue-Make glue and test its “stickiness” strength.
- Marble Ride-Design the longest-lasting roller coaster ride for a marble.
- Balloon Flinker-Find ways to make a helium balloon “flink”-neither float nor sink.

Who can participate in the *ClubZOOM Engineering* program?

Junior Girl Scouts can participate in the ClubZOOM Engineering.

What is included in the *ClubZOOM Engineering* program?

A ClubZOOM Engineering Activity guide for the leaders and a tester kit with some of the materials needed for each activity. The leader guide includes all the information that you will need to facilitate all 5 engineering challenges, tips for leading each of the activities and reproducible handouts for the girls.

What is included in the Starter Kit?

The tester kit may include items such as: 1 golf ball, poster putty, a wooden thread spool, marbles, balloons, film canisters, and magnets.

How many activities do I have to complete in order to receive a *ClubZOOM Engineering* patch?

Girls should complete all 5 engineering challenges.

How do I request the *ClubZOOM Engineering* program?

To request the ClubZOOM program you must fill out a program request form which can be found on the Girl Scout website at www.girlscoutsnyc.org. Mail or fax the completed form to the **Girl Scout Council of Greater New York, 43 West 23rd Street New York, NY 10010 Attn: Nicole Torres.**

How long will it take for materials to arrive?

Please allow up to 3-6 weeks for processing materials requested.

What is the procedure for ordering the *ClubZOOM Engineering* patch for my troop?

Although the patches for this program are free, postage fees apply to free patches. In order to receive the patches you will have to fill out the patch order form and send the completed form along with the payment as well as the ClubZOOM evaluation to: **Girl Scout Council of Greater New York, 43 West 23rd Street New York, NY 10010 Attn: Nicole Torres.** Upon receipt of your evaluation and payment, patches will then be mailed out.

If you have any questions, please contact Nicole Torres, Coordinator of Special Projects at (212) 645-4000 ext. 252.