Part game show and part reality TV, FETCH! mixes live-action with animation and features real kids, real challenges, and an unreal animated host named Ruff Ruffman. In every episode, six contestants put their problem-solving skills to the test and earn points toward being crowned the FETCH! Grand Champion.

Give your Girl Scouts, ages 6-10, the opportunity to feel like FETCH! contestants by challenging them to earn the FETCH! Patch. The hands-on FETCH! activities on the following pages extend the science and engineering learning introduced during the show. Your girls will tackle challenges, solve problems, and devise creative solutions while doing hands-on activities that require easy-to-find materials.

Sponsored by:
Girl Scouts of Eastern Massachusetts

Number of activities to earn the patch:

Brownies: • 2 science activities
        • 2 engineering activities
        • plus the community service component

Juniors: • 3 science activities
        • 3 engineering activities
        • plus the community service component

Note to leaders:
Before doing activities with kids, we suggest doing the ZOOMsci™ Training at pbskids.org/zoom/grownups/scitraining. This easy-to-use, 40-minute online tutorial is designed to help you lead fun, meaningful, hands-on science activities with kids.

To order the FETCH! patch, contact the Girl Scout Country Store:
(781) 893-6293; girlscoutshop.org

Watch FETCH!
FETCH! with Ruff Ruffman is a daily TV show on PBS. Check local listings to find out when FETCH! is on in your area, and visit the Web site at pbskidsgo.org/ FETCH.
FETCH! activities can be downloaded at: pbskidsgo.org/Fetch/parentsteachers/activities/index.html. Photocopy and distribute them to your kids.

**Science Activities**

* Ice Cream Shake: Make ice cream and learn the science behind frozen treats.
  
  Design A Flavor: Invent an ice cream flavor and conduct a taste test. (Be sure to do Ice Cream Shake first!)

  Eat Like A Bird: Learn how a bird’s beak type determines what it eats and where it lives.

  Help Wanted! Ruff has a knack for getting himself into trouble. Learn about exciting science careers while determining which scientist can help solve his problem.

* Operation Espionage: Make invisible ink and reveal a secret message.

* Race for Survival: Find out about predators and prey in this relay race.

* Set It Straight: Tinker with a tabletop see-saw and teach it a few new tricks!

* Size It Up: Turn a small picture into a gigantic one. Seeing is believing!

* Throw Your Weight Around: See how your body constantly adjusts so you can stay upright. Let’s move it!

* Toy Chemistry: Mix up a gooey solid out of two liquids.

* Train Your Brain: Will this challenge trick you? Read words of colors or announce the color of the word. See how quickly you can retrain your brain!

* Under Pressure: Support a book with a sheet of paper? Give your paper a workout and make it stronger!

* Whodunit? Uncover the identity of a mystery powder.

**Engineering Activities**

* Float My Boat: Load tinfoil boats with pennies to learn about floating and sinking.

* Go Fly A Kite: Build an indoor kite and learn what makes it fly.

* Canine House of Cards: Construct a paper building strong enough to support a dog biscuit.

* Crazy About Kites: Experiment with kite design to make the best-flying indoor kite.

* All Wound Up: Power a racecar with a rubber band? Yup! Ready, set, roll!

* Blow It Away: Make traveling a breeze with a vehicle that’s part car, part sailboat!

* Hang Time: Build some whirligigs and race them. The winner hits the ground last!
* **Rescue Mission**: Design a hook, retrieve a capsule, and carry it to dry land.

* **Stack 'Em Up**: Build a tower out of cups. Remember, the sky's the limit.

* **What Gives?** Build a suspension bridge and figure out how it's held up.

## Community Service Component

Introduce one of the above activities to a group of younger children (another Girl Scout Troop, younger siblings, or neighborhood kids).

To order the FETCH! patch, contact the Girl Scout Country Store:

**(781) 893-6293; girlscoutshop.org**

For more information about FETCH! contact Margot Sigur, Outreach Assistant:

*margot_sigur@wgbh.org*