



# The Try-Physics Tournament

## Third Task: Scavenger Hunt

Physics Camp at Home Activity

*For more information on the Try-Physics Tournament, see Task 1 on the website.*

Just as Harry had to navigate through the hedge maze to reach the Triwizard Cup, you will need to use your knowledge of science and your powers of observation to navigate around your home and neighborhood (with your parent/guardian's permission!) to find objects and earn points.

Check the box next to each object you find, and tally your score at the end! Use your knowledge of science from the previous two tasks as well as the Internet to aid you in your search.

**Earn 10 points for each checked box:**

- A science book
- An animal that looks like they could be an Animagus
- A person who looks like they're dressed like a Golden Snitch
- A small object that floats in water (test it to be sure!)
- An article of clothing that shows Maryland spirit
- A field where you could play quidditch
- Something with a math symbol on it
- A body of water
- A license plate that is not Maryland, Virginia, or Washington, D.C.
- A license plate that is from a place west of the Mississippi River
- A person taking a selfie (not you!)
- A place where you might study Herbology (or botany)
- A place where you might study Astronomy
- A cool piece of art
- A person wearing a Harry Potter or quidditch shirt





Now, do some Internet research to answer and write down the answers to these questions—20 points per checked box:

- The name of the University of Maryland's mascot \_\_\_\_\_
- Three science majors you could study at UMD \_\_\_\_\_
- The name of a building at UMD named for a famous person  
\_\_\_\_\_
- The name of one of the mathematicians who invented calculus  
\_\_\_\_\_
- The year that the first gravitational waves were detected  
\_\_\_\_\_
- The four letter abbreviation of the gravitational wave detector (bonus 5 points for the whole name) \_\_\_\_\_
- The names of the four fundamental forces \_\_\_\_\_
- The three kinds of particles that make up an atom \_\_\_\_\_
- The name of a physics professor at UMD and what they are researching  
\_\_\_\_\_
- The number of students at UMD \_\_\_\_\_
- The year that Hogwarts was founded \_\_\_\_\_
- The year that US Quidditch was founded \_\_\_\_\_
- The college team that won the 2019 US Quidditch Cup  
\_\_\_\_\_
- The name of the particle accelerator at CERN in Europe  
\_\_\_\_\_
- The place where fictional quidditch was played for the first time  
\_\_\_\_\_
- The place where real-life quidditch was invented \_\_\_\_\_

### Scoring:

400-450 pts: Amazing! You have the Seeking skills of Harry and the research skills of Hermione!

300-400 points: Nice job! Professor McGonagall would be proud.

200-300 points: Great! Maybe Madam Pince can help you find the remaining things you're looking for.

0-200 points: Good start—can you score more points if you look a little harder?

