🔴 RUBRIC: *SPHERO HERO

Live Performance at State Championship
Team Event, 1 Or More Students
ONE TEAM PER SCHOOL ALLOWED TO APPLY

What better way to tell an original story than to program a robot to tell if for you? Sphero Hero is all about a team of students creating an original (short) dramatic story, creating an obstacle course as the stage for their story, and programming a Sphero (or any programmable robot) to navigate the stage autonomously while students narrate their tale to judges (3-5-minute limit). Sphero Hero is a BYOD category, where teams will build their own sets and use their own robots and materials to compete.

Sphero Hero is the first STLP competition co-designed & led by a student (thank you Nada K. from Thomas Nelson HS, Nelson County)

What the STLP Coordinator/Coach/Teacher should do:

Shares the rubric with students
Guide students in:
- Learning how to program a Sphero.
- Creating and narrating an original storyline.
- Developing an obstacle course to serve as the setting for their storyline via a 3D printer.

What the student should do:

- Review the rubric
- Create an obstacle course that captures a story
- Code the Sphero (or other programmable robot) to run through the obstacle course by itself
- Narrate the story line to the judges
- Explain the project vision and development to the judges.

STATE CHAMPIONSHIP	CRITERIA	POINTS EARNED
PRESENTATION	• Student(s) exude strong energy and strong stage presence; looking poised and confident. • Student(s) consistently maintains eye contact with the audience, using notes or cards only in reference to or in support of storyline, (not reading notes or cards). • Student(s) speaks clearly and loudly at an appropriate volume and changes tone and pace to maintain interest.	1 2 3 4 5 6 7 8 9 10
CREATIVITY	• Student(s) demonstrate creative thinking by developing a dramatic, captivating storyline and architecturally congruent and aesthetic obstacle course for the Sphero.	1 2 3 4 5 6 7 8 9 10
TIME LENGTH	• Length of presentation is within the assigned time limit of 3-5 minutes	1 2 3 4 5 6 7 8 9 10

THEME	• There is an obvious hero and villain in the story.
	 • Sphero does color changes that align with the plotline
	    ○ Extra points for multiple color changes
	 • Setting should have at least three environmental elements, settings, or backdrops (water, mountain, desert, city, building, etc.)
	 • Sphero should complete at least one change in elevation.
	    ○ Extra points for additional elevation changes.
	 • At least one trick
	    ○ Extra points for additional tricks.
		1 2 3 4 5 6 7 8 9 10

PROCESS	• The team can discuss the planning and development of the idea, story, or planning process that contributed to the overall Sphero Hero project submission.	1 2 3 4 5 6 7 8 9 10
COLLABORATIVE	• All the members of the group have a clear role in the project.	1 2 3 4 5 6 7 8 9 10
	TOTAL SCORE OUT OF 60:	

*Other robots who can be programmed via code are acceptable for this competition as well.