



Explore the Mountain Vlcano Starting/Scoring Positions

The intent of this document is to show a close-up view of the mission object's "Starting" and "Scoring" positions in support of the Ua Hala Ka Hala Island Adventure Challenge's videos and documents, and the General Rules.

The rules for this mission will try to be as consistent as possible, so that they are applied in the same manner as other missions. There are a couple differences which are explained throughout this document.

The purpose of this mission is for teams to construct and program a robot to climb on top of the Quad Platform. Teams are provided multiple scoring opportunities to provide positive reinforcement for their efforts.

Starting Location

Bring your Minifig(s) to the Match. Load your minifig(s) on the robot in the Safe Zone. Program your robot to end the Match in the Mountain Cave or Volcano on top of the Quad Platform.



Scoring Locations

There are 4 ways to score at the Mountain Volcano

1. Deliver a minifig to the Cave Area of the Mountain (under the Quad Platform).
2. Deliver a minifig on the top of the Quad Platform, or the Volcano.
3. Program your robot to stop under the Quad Platform, in the Cave area of the Mountain. Must have a minifig on the robot. Minifig must be unattached to score.
4. Program your robot to climb on top of the Quad Platform. Must have a minifig on the robot. Minifig must be unattached to score.

*All 4 Scoring Locations may be attempted. Each location scored separately.
Minifigs for 3 & 4 above do Not count toward 1 & 2 above. Each location needs a separate minifig.
Refer to the Coaches Meeting video, minute 42:00, for clarification.*

To score at the Mountain Cave:

1. The minifig must be partially or completely under the Quad Platform. Like the Safe Zone, the Black Line is considered "In" for the Mountain Cave Area. Minifig may be touching or not touching the mat.

25 Points

3. For the robot to score, the robot may be partially or completely under the Quad Platform. Like the Safe Zone, the Black Line is considered "In" for the Mountain Cave Area. The robot must have a minifig on it. Minifig must be unattached. As long as the minifig is on the robot, and the robot is considered to be partially or completely under the Quad Platform, the actual location of the minifig does Not have to be under the Quad Platform. The minifig on the robot may Not be touching the mat.

35 Points



To score "On" the Mountain Volcano:

2. Position a minifig on top of the Mountain Volcano, or Quad Platform.
Minifig may be touching or not touching the Quad Platform.

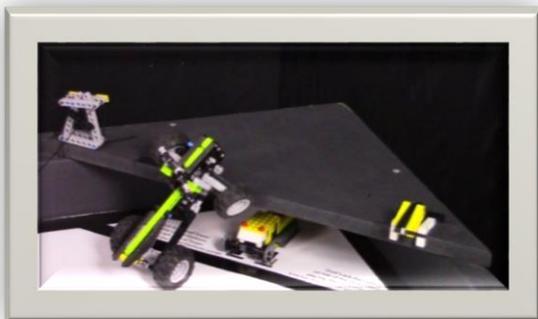
40 Points

4. Finish the Match with your robot on top of the Mountain Volcano or Quad Platform.
The robot must have a minifig on it. Minifig must be unattached.



60 Points

No Score for "On" the Mountain Volcano if:



No Score: if any part of your robot is touching the Mat.



No score: if the drive source of your robot is hanging over.

Drive Source

Drive source is the wheel, tire, tread or other device, which is powered by the robot's motor(s). Wheels, tires, treads or other devices which are Not powered by the robot's motor(s) are not considered a drive source.

For the robot to be considered "On" the Quad Platform, all drive source devices must be on the Quad Platform. So, if the robot has multiple drive sources, all must be on the Quad Platform.

Drive sources may Not hang over the side of the Quad Platform.

Drive source may be touching or not touching the Quad Platform.

The robot may be right-side-up, up-side-down, or on its side.

The referee will look "down, from above" to confirm the drive source of the robot is on the Quad Platform.

Attachments may hang over the side of the Quad Platform.

If multiple robots climb on top of the Quad Platform

In the referee's opinion, if your robot is "On" the Quad Platform, and subsequent action from another robot pushes your robot into a Non Scoring position, your team will receive the score for being "On" the Quad Platform.

If Team 1 has a robot at the Quad Platform in a "Scoring" or "Non Scoring" position, then robot(s) from other team(s) attempt to climb "On" to the Quad Platform, but Team 1's robot prevents subsequent team's robot for climbing "On" the Quad Platform. The referee will score the subsequent team's robot as it rests at the end of the Match.

Every team has 3 minutes to climb "On" to the Quad Platform. Make sure your strategy to attempt to climb on to the Quad Platform considers the actions of other teams and the time left on the clock.

Time

Since most teams attempt this mission towards the end of the Match. Here is how Time is considered.

If the clock has Not reached 0:00, then the robot is scored as it rests at the end of the Match.

If the clock has reached 0:00, and the robot is still moving (movement includes any drive source action), the referee will score the robot in the location the robot is as the clock strikes 0:00.

Points will Not be awarded or taken away for action of the robot after the clock hits 0:00

