

# Nicholas Moglia Eagle Scout Project



## Project Description:

My project is taking place in the Carmel Mountain Preserve, located between Carmel Valley and Los Peñasquitos Canyon Preserve. My project will consist of a 35ft trail repair and the installment and creation of a 6ft long wooden backless bench overlooking the ocean, perched next to the trail that will be repaired. This project will require a lot of ingenuity and creative to complete the task at hand because of the hard rock layer located directly beneath the top soil layer of the area that project will be constructed on. To construct the bench, we will have a pre-build date at my home where we cut the wood and bolt together the bench. To secure the bench in the hard rock layer, we will use a jack hammer to make two three-foot-deep holes in the ground for both of the legs, place the bench in the holes, and secure it down with quick-dry concrete. The trail repair consists of 4-6ft long logs spaced 3.5ft apart horizontally up the slope. To restrain the logs from moving, we will pre-drill holes, the diameter of the rebar, on the pre-build date. Using these holes, we will then thread rebar through them and hammer the rebar into the ground. Surrounding the stairs, we will place a 2ft minus-cobble around the steps to act as irrigation, to keep the steps from eroding away. In any leftover space on the hillside, we will plant natural shrubbery.

## Costs: