

Landscape & Nursery Career Development Event Problem Solving Event #2 Paver Installation

Your team needs to complete a small paving stone project. The dimensions are 4' by 5'. Your team has already prepared the aggregate base and now your team needs to install and grade the sand base and lay the pavers in the pattern specified by the judge. Continue with the edging, sand base, installation and compaction. Allow time to disassemble the test materials at the end of the period.

Study Reference: Hardscapes in the Landscape Training Manual for Installation Technicians (Chapter 4).

Procedure:

Preparation work. (questions based on the plan) You are to excavate for a paver walkway

1. How deep will you be removing the soil?
 2. How much wider should the base be than the walk?
 3. How do you properly compact 6" of base material with a plate compactor?
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- 1) Base: grade base level and smooth
 - 2) Place edging material. Place edging material over chalk line or along one side and spike directly into place on the base material.
 - 3) Bedding Sand. Place sand and screed smooth. The bedding sand needs to be completely smooth before paver installation.
 - 4) Set paver stones. Install pavers in the pattern specified by the judge.
 - 5) Place remaining edging.
 - 6) Compaction and finishing. Sweep sand into joints and then compact. Repeat sweeping and compacting to complete project.

