

**Host the PSVT:R within your own school using your course or learning management system.**

- 1. Although the PSVT:R is considered a placement test for this purpose, check with your IRB to clarify requirements since every institution is different. ENAGE evaluators will only ask you to share anonymous pre-post test scores.**
  - Use your Course or Learning Management system (e.g. Moodle, Blackboard) to host and grade the PSVT:R pre and post tests.
  - Be sure that the students you are testing have institution emails/IDs.
  - Using the link below, license a scanned digital version of the test from ETS for \$25.00.  
<http://store.digitalriver.com/store/ets/DisplayProductDetailsPage/productID.39353200>
  - When you receive the acknowledgement from ETS that you purchased the license, send the acknowledgement email to <mailto:info@engageengineering.org>. Also include which Learning Management System your institution uses.
  - If you use Blackboard, Moodle or Canvas, you will receive instructions to download the PSVT:R formatted for your Learning Management System. If you use a different LMS, we will work with you to load the test to your LMS.
  - Make sure that the PSVT:R test is timed for 20 minutes.
  - We will also provide materials for a pre-quiz for the PSVT:R that captures demographic information and provides a sample problem. This “quiz” does not need to be timed.
  - Define a report template to capture your test results (student email/ID, gender, pre-test score, post-test score).

**Work with your IT department or academic department to ensure your set-up (below) supports your program goals and schedule.**

#### **Pre-test**

1. Load the PSVT:R test and grading rubric to your LMS/CMS.
2. Load the pre-test with demographic questions (e.g. gender) and a sample problem.
2. Allow 20 minutes for students to take the PSVT:R test. After this time, the test is automatically shut down.
3. Ensure that students can only take the pre-test once.
4. Test the PSVT:R, grading and reporting process to make sure it all works.
5. Set up all students to be tested in your LMS/CMS
6. Set date to open test.
7. Have students take the test at a prescribed time on campus, or send an email to students giving them a timeframe when the test is available to them to complete.
8. Close and auto-grade the test
9. Allow option for students to receive their score automatically.
10. Obtain test results, including demographics.

#### **Post-test**

1. After the spatial skills course has completed, open the post-test in your LMS/CMS for students to get re-tested.
2. Allow 20 minutes for students to take the test. After this time, the test is automatically shut down.

3. Ensure that students can only take the post-test once.
4. Test the PSVT:R, grading and reporting process to make sure it all works.
5. Have the students who completed the spatial skills class take the post-test.
6. Close and auto-grade the test.
7. Allow option for students to receive their score automatically.
8. Obtain test results, including demographics and pre-test results.