



**2025 DSBN REGIONAL
ARCHITECTURAL CAD
SKILLS CHALLENGE SECONDARY LEVEL SCOPE**

CHAIR:	Brad Barter, Welland Centennial brad.barter@dsbn.org / 905-735-0700
---------------	--

PURPOSE OF THE CONTEST: To challenge competitor’s knowledge of architectural design

EVENT DETAILS:	Date: Wednesday February 26, 2025 Time Allotted: 6 hours Location: Niagara College - Welland Campus - Rm L102
-----------------------	--

ENTRY: Students must register online at [2025 Skills Challenge Registration Form](#) with all the required information completed to be eligible to participate.

SKILLS AND KNOWLEDGE TO BE TESTED:

In order to prepare students for the upcoming competitions, the challenge will be similar to the Provincial “Skills” competition. Competitors will be given an Architectural Design Project that consists of an existing foundation and site. Students will be required to complete a set of drawings that will include Floor Plan, Foundation Plan, a Front Elevation, a Rear Elevation, a Roof Plan, and one Building Section

SAFETY REQUIREMENTS and SUPERVISION

Teachers or another designate must supervise the student to ensure that safety is adhered to and to maintain the integrity of the competition. If a supply teacher is required, It is preferable to have the supply teacher supervise your student for the Challenge and you can remain with your class, this might not be possible for challenges where safety is a concern.

Other safety considerations: Competitors are required to follow all industry safety standards during the competition

EQUIPMENT, MATERIALS, TOOLS, AND SUPPLIES:

Tools and Equipment supplied by the Individual Contest Site:

- Hardware: Niagara College computer lab, Room L102
- Software: AutoCAD, Autodesk Revit

Tools and Equipment supplied by the Competitor Site:

- Calculator
- Loose paper, pencils/pens to sketch.

Materials Supplied Centrally:

- Required Building Code sections will be available online for student reference.

CLOTHING REQUIREMENTS:

- Casual business attire must be worn with DSBN Technology T-shirts

JUDGING INSTRUCTION:

- Competitors will be **identified by number** only and submissions will be judged by industry professionals.

JUDGING CRITERIA:

- Judging criteria will be emailed to all registered students' teachers

TEACHER'S ROLE:

Instructors are expected to acquaint their student participants with all the enclosed guidelines and **may not assist student competitors during the competition.**

**** Each competitor will be given a number by their coordinator upon registration at the location and will be judged anonymously during the competition.**