



D.S.B.N. REGIONAL ARCHITECTURAL DESIGN CHALLENGE SECONDARY SCOPE 2020

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PURPOSE OF THE CONTEST: To test competitors' knowledge of Architectural Design

EVENT DETAILS:

Date: Wednesday Feb. 26, 2020

Time: 8:30 a.m.

Location: Niagara College Welland campus

SKILLS AND KNOWLEDGE TO BE TESTED:

In order to prepare students for the upcoming competitions, the challenge will be very similar to the Provincial "Skills" competition. Competitors will be given an Architectural Design Project. Required drawings will include Floor Plans, Elevation(s) & Building Section.

SAFETY REQUIREMENTS:

Competitors are required to follow all industry safety standards during the competition.

EQUIPMENT, MATERIALS, TOOLS, AND SUPPLIES:

Equipment Supplied by the Contest Coordinator:

SOFTWARE: AutoCAD, Autodesk Revit

All necessary Ontario Building Code information will be provided.

Equipment Supplied by the Competitor:

Competitors may wish to bring a calculator.

Revit users must start with Niagara College's default settings. To maintain design parity, AutoCAD users will be allowed to submit a template file for blocks/title block by the end of the week, prior to the DSBN competition, for approval. Criteria of what is and is not allowed will be e-mailed to you by request.

Note: If you wish to save a copy of your drawings, bring a USB drive.

CLOTHING REQUIREMENTS:

Casual business attire must be worn with DSBN Technology shirts.

PROJECT AND COMPETITION EXPECTATIONS

Competitors will have to design an Architectural project. Drawings required will include Floor plans, Elevation(s) & Building Section.

You may work in Imperial or Metric units.

***You **MUST** print all drawings before leaving.*

JUDGING CRITERIA:

Please note: Below is a sample evaluation (format is identical to that used by Skills Ontario)

*Competitors will be **identified by number only** & submissions will be judged by industry professionals or Niagara College professor(s).*

1. FIRST FLOOR PLAN	Design & Layout	/10	
	Completeness & Accuracy	/10	
	Graphic Quality	/5	/25
2. SECOND FLOOR PLAN	Design & Layout	/10	
	Completeness & Accuracy	/10	
	Graphic Quality	/5	/25
3. FRONT ELEVATION	Design & Layout	/10	
	Completeness & Accuracy	/10	
	Graphic Quality	/5	/25
4. BUILDING SECTION	Design & Layout	/10	
	Completeness & Accuracy	/10	
	Graphic Quality	/5	/25
		TOTAL	/100

JOB INTERVIEW COMPONENT:

All students should be prepared with a resume, an interview workshop will be held for gold medalists moving on to provincial competitions.

ENTRY:

Students must register online at: TechEd.dsbnet.org/skills_challenge.html with all of the required information completed to be eligible to participate. Teachers should also forward a list of competitors participating from their school to the contest Chair 7 days prior to the date of the contest.

TRANSPORTATION:

Transportation will be arranged by your teacher.

TEACHER'S ROLE:

Instructors are expected to acquaint their student participants with all of the enclosed guidelines. Teachers may accompany their students or visit any time during the competition, but **may not assist the competitors during the challenge.**

COMPETITION AGENDA:

8:15- 8:30 a.m. Sign in/ Arrival/ Set up

8:30 a.m. Orientation

The competition will start: 9:00 am
Lunch (will be provided): approx. 11:15 am
Printing will begin: approx. 1:45 p.m.

Printing to be completed **by 2:25 p.m.**

**** Competitors must be on time for their contest and may be disqualified if they do not sign-in at their contest site prior to the start of orientation. At the discretion of the technical committee chair, the competitor may be permitted to compete but would not receive any additional time. Each competitor will be given a number by their coordinator upon registration at the location and will be judged anonymously during the competition.**