



TECHNOLOGICAL SKILLS CHALLENGES

EXPLORE
YOUR INTERESTS.
DISCOVER
YOUR FUTURE.
CREATE
YOUR CAREER.

2026 DSBN REGIONAL JOB SKILL DEMONSTRATION SKILLS CHALLENGE SECONDARY LEVEL SCOPE

CHAIR:

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PURPOSE OF THE CONTEST: To evaluate each competitor's ability to demonstrate and explain an entry-level skill used in the occupational area for which they are training (e.g., How to design a web page).

Event Details:

Date: Wednesday March 4, 2026

Time: By scheduled appointment (30-minute time slots)

Location: Niagara College, Niagara-on-the-Lake Campus - Rm TBC

Length of Time: Each student will be given **30 minutes** for Job Demonstration

ENTRY: Please connect with a teacher advisor at your school to complete your registration for this competition to be eligible to participate.

Competitor Capacity: 8

The skill presented must reflect a technical contest area that is a component of the Skills Canada–Ontario Competitions. See list below:

2D Character Animation	Industrial Maintenance
3D Character Animation	IT – Software Applications
Aesthetics	Landscape Gardening
Aircraft Maintenance	Manufacturing Team Challenge
Architectural CADD	Mechanical CADD
Automation and Control	Mechatronics
Automotive Service	Plumbing
Auto Body Repair	Precision Machining
Baking	Prepared Speech
Brick Masonry	Principles of Technology
Cabinet Making	Refrigeration
	Restaurant Service

CNC Machining Carpentry Cooking Electronics Electrical Wiring Floristry Graphic Design Hairstyling Heavy Equipment Mechanic IT – PC and Network Support	Robotics Sheet Metal Work Small Powered Equipment TV Video Production Website Development Welding Women's Apparel Design Worksite Safety
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1 THE SKILLS FOR SUCCESS FOR CAREERS IN THE SKILLED TRADES AND TECHNOLOGY

The Government of Canada has updated the previous Essential Skills framework to the new Skills for Success model in response to the evolving labour market and changing skill requirements. This model outlines nine fundamental skills Canadians need to thrive in work, education, training, and daily life. Skills/Compétences Canada aims to highlight the importance of these skills, vital for success in trade and technology careers.

Competitors can see how Skills for Success are integrated into contest descriptions, projects, and project documents. Recognizing these skills during the competition helps competitors match tasks with specific skills necessary for success and understand how these skills apply within their trade or technology programs and future careers.

The nine key Skills for Success, validated for workplace success, are:

1. Numeracy
2. Communication
3. Collaboration
4. Adaptability
5. Reading
6. Writing
7. Problem Solving
8. Creativity and Innovation
9. Digital

SKILLS AND KNOWLEDGE TO BE TESTED:

Each competitor has up to **45 minutes** for this demonstration, which includes set-up, demonstration and take down. Visual aids such as props or models may be used to clearly demonstrate the skill.

Time Format:

Set-up - up to 10 minutes.

Demonstration- at least 20 minutes, not more than 30 minutes.

Questions - will have no bearing on the demonstration time.

Take down - up to 5 minutes.

Each competitor should prepare for the Job Skill Demonstration by:

- Preparing a **20-30 minute demonstration** using props, models, and other equipment as applicable.
- **Set up should take no longer than 10 minutes and 5 minutes to take down all**

equipment and clear the presentation space.

- Practicing an effective and confident delivery style.
- Organizing the complete demonstration in a logical and well-planned fashion.
- Speaking in a clear and understandable manner while varying the voice to convey enthusiasm.

SAFETY REQUIREMENTS:

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

Safety Plans (5 Points)

Competitors are responsible for ensuring the safety requirements are addressed for their particular demonstration. A safety plan must be submitted for each demonstration at the competition orientation. The provided template found at the end of this scope must be used to prepare this safety plan. **Failure to submit a safety plan will result in the competitors being disqualified.**

EQUIPMENT, MATERIALS, TOOLS, AND SUPPLIES:

Clothing & Safety Equipment:

Competitors must wear DSBN Technology shirts and/or suitable clothing appropriate to the demonstration. Personal protective equipment (PPE) required for the job skill being demonstrated must be worn. Some examples are: the use of safety glasses, antistatic wristbands and steel-toed boots. Competitors who do not have the appropriate PPE will not be allowed to continue with their demonstration.

Provided by Committee:

- A room appropriate for conducting a demonstration.
- One 110 volt (15 amps) electrical outlet.
- One power bar.
- One table approximately 0.75 m by 1.5 m.

Provided by Competitor:

Equipment and materials needed for the demonstration.

JUDGING CRITERIA:

Criteria	Possible Points
Submission of Completed Safety Plan: SAfety plan is submitted on time and completed with thoroughness to detail	/2
Up and Take Down: Set up and take down is within the required time limit. Only one assistant aids with set-up/take down (if needed)	/2
Opening: <ul style="list-style-type: none">• Introduces the topic and clearly outlines what will occur in the demonstration• Outlines and explains the process to be followed in the demonstration• Identifies and explains more than one of the Skills for Success to be used in the demonstration	/10

<p>Demonstration and Explanation:</p> <ul style="list-style-type: none"> • Demonstration is at least 20 minutes in length • Each step is thorough and detailed and shows a logical progression • Each step is easy to follow and understand and makes the process clear • Final steps lead to a logical conclusion • Demonstration incorporates a variety of mediums to support comprehension • Demonstration of specialized knowledge and expertise as related to the job skill • Demonstration space is organized and effectively used • Materials and resources are used appropriately with respect to the job skill demonstrated • Materials and resources are used sustainably • Competitor refers to sustainability practices during the demonstration • Skills for Success are identified and elaborated on during the job skill demonstration • Terminology – diction • Body language • Rapport with judges and audience • Competitor makes mention of safety standards throughout demonstration in accordance with the submitted, approved Health and Safety Plan • Competitor adheres to current occupational health and safety standards of the host province 	/40
<p>Presentation</p> <ul style="list-style-type: none"> • The competitor uses and explains trade appropriate, professional language in the demonstration • The explanation of trade appropriate language throughout the demonstration assists with viewer comprehension • The competitor uses voice appropriately: tempo, pitch, projection • The competitor uses intentional pauses to communicate effectively • The competitor uses intentional emphasis to convey meaning • The competitor enunciates and articulates words appropriately • The competitor conveys enthusiasm (actions/gestures/tone/vocal) • The competitor stimulates curiosity of the job skill • The competitor establishes audience rapport through verbal and non-verbal elements • The competitor does not read from a prepared script • The competitor addresses both general and specific safety procedures throughout the demonstration • The competitor implements safety procedures as outlined in their submitted, approved Health and Safety Plan 	/35
<p>Closing:</p> <ul style="list-style-type: none"> • Presentation arrives at a logical conclusion; does not end abruptly • Closing summarizes the presentation • Closing explains practical uses of the job skill demonstrated 	/6
<p>Response to Questions</p> <ul style="list-style-type: none"> • Competitor answers the questions providing depth and insight 	/5
TOTAL	/100

ADDITIONAL INFORMATION:

1. Competitors must prepare their own visual aids (signs, charts, transparencies, slides and diagrams).
2. This contest is an individual demonstration. However, assistants may be used to set-up and dismantle the demonstration or to assist as a model.
3. Judges will ask questions following the demonstration.

4. The demonstration will be at least 20 minutes in length and will not exceed 30 minutes.
5. There will be a penalty for competitors who recite from a prepared script.
6. If a competitor has surpassed the time allotted for any part of the demonstration (Set-up, Demonstration, Dismantling) she/he will be notified by a judge at the time it occurs. Time penalties will be assessed for surpassing the time allotted for any of the three components.

TRANSPORTATION:

Students are responsible for their own transportation.

TEACHER'S ROLE:

Instructors are expected to acquaint their student participants with all of the enclosed guidelines. Teachers may accompany their students, sit in on the presentation as an observer, but may not assist the competitors during the challenge including set-up and take-down of equipment.

From the OTSC scope:

Assistance with Set-Up and Dismantling

"This contest is an individual demonstration. Assistants may be used to set up and take down the demonstration or to assist as a model."

NOTE: *The "assistant/volunteer" may not be a teacher.*



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District School Board of Niagara Hazard Identification Safety Plan Checklist Job Skills Demonstration

QUESTIONS TO CONSIDER IN YOUR EVENT

When planning your demonstration, it is important that aspects of health and safety be considered in order to ensure a successful competition. Please take time to complete the following and submit at orientation.

Name of Competitor	
Skill to be Demonstrated	

FIREs

Will there be potential for fires?

Yes No

If YES, please explain.

Will there be ways to minimize the risk?

Yes No

If YES, please explain.

Will there be flammable substances used in your competition?

Yes No

If YES, please explain.

Will flammable substances be adequately controlled?

Yes No

■ Are you planning to carry out hotwork, i.e. welding, grinding etc. in your demonstration?

Yes No

If YES, please explain.

SLIPS & TRIPS

■ Does the planned layout of the work area for the demonstration include reducing the potential for slips and trips?

Yes No

■ Are there arrangements for cleaning up spillages?

Yes No

■ Will the competitor be wearing suitable footwear?

Yes No

PERSONAL PROTECTIVE EQUIPMENT

■ Will any activities being undertaken require competitors and judges to wear any protective equipment?

Yes No

If YES, will there be an adequate supply of protective equipment available? Yes No

■ Will the personal protective equipment be suitable for competitors and judges (i.e. size, degree of protection)?

Yes No

MANUAL HANDLING

■ Will manual handling tasks associated with the demonstration be adequately controlled and within the capabilities of the competitor?

Yes No

HAZARDOUS SUBSTANCES

■ Have all hazardous substances within the competition been identified?

Yes No

■ Will suitable control measures be in place for the hazardous substances and proper handling of them?

Yes No

■ Will there be suitable storage and disposal arrangements for the hazardous substances?

Yes

No

OTHER

Will your demonstration include the following:

Electrical equipment and/or power supply?
 Yes No

Overhead hazards?
 Yes No

Airborne contaminates? (i.e. dust, molds, vapours, fumes etc.)
 Yes No

If you answered YES to any of the above, please explain what is planned to eliminate or reduce the risk.

What other health and sanitation guidelines need to be followed for your demonstration?

Please submit this form at the competition orientation.

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