

Skilled Trades Day in Canada...

Nunavut Style

What is it?

As part of National Technology Week, Skills/Competences Canada (S/CC) will be promoting and hosting events to raise awareness of skilled trades to youth. This is an opportunity for organizations across Canada to get involved in a "hands-on" way to promote these careers to youth.

When is it happening?

November 2, 2010

Why is it happening?

It is clear that skilled trades careers are important for our economy and that they are an excellent career path for many young Canadians. However, many young Canadians either do not know what trade careers look like or what they entail. This day of events and information will provide young Canadians a peek into what career options are available. Skills/Competences Canada's plan is to facilitate and host skilled trade and technical activities in regions across Canada, to engage business and political leaders in discussions about the importance of these careers to our country and to focus the attention of the media on these careers. The long-term goal is to create an annual day of celebration of skilled trade and technical careers and to highlight those that pursue these paths for themselves.

Where is it happening?

It will be happening all across Canada and we would like schools all across Nunavut to get involved

How to participate?

Skills Canada Nunavut has planned events to promote skilled trades careers under the banner of Skilled Trades Day in Canada. The activities we have chosen are A Skilled Trades obstacle course, a marshmallow/spaghetti tower building project and a Skilled Trades Game. The game can be done as a classroom activity and the obstacle course and tower building can be done as a whole school event. You can choose which activities you would like to do with your school. These are just a few ways to get students thinking about careers in trades and technologies and will help open the discussion about these careers.

Who to contact?

Contact Michelle Jacquard at the Skills Canada Nunavut Office 975 – 5628 or michellej@skillscanada.com if you have any questions. Skills organizations and many others in Canada will be hosting events on this day and to learn more details about these you can check the Skills Canada website at www.skillscanada.com or www.careersintrade.ca or www.skillsnunavut.com

Marshmallow/Spaghetti Tower Building Project

Instructions

- *put students in teams of 6-8 (multi-grade is best to include younger students)
- *each team gets 1 package of small marshmallows and 1 package of spaghetti
- *there will be one package of large marshmallows to share among all teams to use for the base of the tower
- *teams get 40 minutes to work together on the tower
- * Goal: see which team can build the tallest Pasta Tower that remains standing

Materials

- *enough spaghetti packages for however many teams you have
- *enough small marshmallow packages for however many teams you have
- *enough large marshmallow packages to give 6 marshmallows/team

Skilled Trades Obstacle Course

Instructions

- *Put students in teams of 8
- *The eight stations that represent different skilled trade and technology careers will be:

1. Hammering nails in a 2x4 piece of wood in a set pattern (Carpentry)
2. Sewing a mitten together (Women's Apparel Design)
3. Separating an egg white from a yolk (Cooking)
4. Fitting some plumbing pipe together in a pattern (Plumbing)
5. Setting a table (Restaurant Service)
6. Digital photography (TV and Video Production)
7. Braiding hair (Hairstyling)
8. Putting batteries in a flashlight (Electrician)

- ❖ the amount of materials needed will depend on the number of teams you have
- ❖ Teachers will be responsible for setting up 8 stations, each with one of these skilled trade or technology activities.
- ❖ Students will be in teams of 8. Each student will do one of the activities
- ❖ The first student will start at a whistle, run to the first station, do the activity, and run back to the start and 'tag' the next student to go. The second student will run to the second station, do the activity, then run back to the start and again 'tag' the next person. This will continue until all the 8 students on the team have completed all of the 8 activities.
- ❖ If a school wants to include elementary students, they could be paired with older students and run to each station to 'help' the older student with

Skilled Trades Game

Appropriate for high school students

Instructions

- * put students in team of 6-8 depending on the size of your class
- *each team gets a different colour marker and a large piece of chart paper
- * teams will sit in different areas around the classroom (floor, table or desks together)
- *teacher will ask questions below along with the 4 answer choices and students will write what they think is the answer on their chart paper
- * give teams 2 minutes to decide on an answer and write it down
- *teams with the correct questions will get designated points

Materials

- *different colour markers
- *chart paper
- *sample questions/answers sheet

Question/Answer Sheet

TEST YOUR SKILLED TRADES IQ...Are you an apprentice, journeyman or master journeyman?

Skills Shortage

1. By what year will Canada have a shortage of 1 million skilled workers?
a. 2010 b. 2025 c. 2015 d. 2020
2. What percentage of the Canadian workforce will be eligible to retire in the next 5 to 10 years?
a. 58% b. 8% c. 38% d. 28%
3. What percentage of current tradespeople plan on retiring within the next 7 to 10 years?
a. 25% b. 50% c. 75% d. 35%
4. How many workers in the manufacturing sector will be needed in the next 15 years due to retirement?
a. 100,000 b. 200,000 c. 500,000 d. 400,000

About Skilled Trades

5. What percentage of new jobs will be in the skilled trades and technology sectors in the next two decades?
a. 70% b. 40% c. 60% d. 30%

6. How many skilled trades occupations are available in Canada?
a. over 150 b. over 200 c. over 50 d. over 100
7. While the average national salary for a Canadian is \$40,000/year, what is the average salary of a certified skilled tradesperson?
a. \$35,000/year b. \$70,000/year c. \$50,000/year d. \$60,000/year
8. Skilled trades fall under four main sectors of the economy. What are they?
a. transportation, manufacturing, business administration, health sciences. b. construction, transportation, earth sciences, service. c. service, manufacturing, construction, transportation. d. business administration, construction, service, transportation.

About Apprenticeship and Education

9. What is the average debt of a university student at the end of his or her studies?
a. \$5,000 b. \$10,000 c. \$15,000 d. \$20,000
10. What is the percentage of students that graduate and complete college or university?
a. 40% b. 65% c. 20% d. 80%
11. Red Seal certified workers: a. have completed their apprenticeship training. b. can work anywhere in Canada where their trade is designated. c. have passed an inter-provincial exam. d. all of the above
12. What was the base salary (not including vacation pay) of a general carpenter apprentice in his or her first term in 2003? (Hint: It is 50% of the wage earned by a certified carpenter.) a. \$8.64/hour b. \$12.50/hour c. \$21.07/hour d. \$14.49/hour
13. What is the ratio of on-the-job to in school training for an apprentice during the full length of his or her apprenticeship? a. 60% classroom training : 40% on-the-job training b. 80% classroom training : 20% on-the-job training c. 20% classroom training : 80% on-the-job training d. 40% classroom training : 60% on-the-job training
14. What does an apprentice receive after successfully completing his or her apprenticeship? a. a permit. b. a certificate of qualification. c. a record of achievement. d. a diploma.
15. What are some of the steps involved to completing an apprenticeship? a. Finish high school and find a trade that suits you. b. Find an employer. c. Register as an apprentice. d. All of the above.

16. Approximately how many apprentices were registered in Canada in 2003? a. 236,000 b. 525,000 c. 248,000 d. 62,000

Alternate Nunavut questions:

17. What does Skills Canada Nunavut promote and believe in?

- a. The 4 day work week
- b. Becoming a vegetarian
- c. Choosing skilled trade and technology careers as first choice career options
- d. Starting school at 7 am each day

18. What does NEAT stand for?

- a. Nunavut Educators and Teachers
- b. Nunavut Early Apprenticeship Training
- c. Never Escape a Teacher
- d. Nearly Everyone Accepts Treats

19. TSC stands for

- a. The Skilled Carpenters
- b. Totally Scary Cartoon
- c. Technology Skill Careers
- d. Territorial Skills Competition

20. True or False: Both girls and boys can be a skilled tradesperson.

21. In order to have choices to make about my dream career, I must

- a. Stay in School
- b. Talk to my teachers
- c. Get involved in different activities
- d. All of the above

22. For more information, I can

- a. Phone someone at Skills Canada Nunavut
- b. Check out the website of Skills Canada
- c. Ask my teachers
- d. All of the above.

ARE YOU...

Just getting started (0-9) This is the perfect opportunity to learn as much as you can. If you're thinking about careers and are not sure where to start, or where your interests lie, be sure to check out www.jobfutures.ca and take the "Know Yourself Quiz." It's a great place to start!

An Apprentice (10-11) Congratulations! You're ready to start your journey as a skilled tradesperson. With a little bit of work you too can gain a "Certificate of Qualification!" For more information about skilled trades in your area, go to www.apprenticetrades.ca.

A Journeyman (12-13) That's the ticket! You've got the knowledge; now you just need the experience. Apprenticeship can even start in high school. Your guidance counselor will know tons of information on skilled trades – including how much of a rewarding experience it can be! Go to www.careersintrades.ca to find out even more cool facts about skilled trades.

A Master Journeyman (14-16) Wow! You've definitely demonstrated the aptitude and knowledge of a master journeyman – a definite challenge. Visit www.red-seal.ca to find out how you can earn while you learn and travel across the country!

Test Your Skilled Trade IQ ANSWER GUIDE

Skilled Shortage 1. D, 2020 (Conference Board of Canada) 2. B, 48% (Statistics Canada) 3. B, 50% (Information Technology Association of Canada) 4. D, 400,000 (Canadian Manufacturers and Exporters, Ensuring the Future of Canadian Manufacturing, February 2005) About Skilled Trades 5. B, 40% (Information Technology Association of Canada) 6. B, Over 200 (Canadian Apprenticeship Forum) 7. C, \$50,000 (www.schooltocareer.ca) 8. C, service, manufacturing, construction, transportation About Apprenticeship and Education 9. D, \$20,000 (The Daily, 4/26/04, Statistics Canada) 10. A, 40% (www.schooltocareer.ca) 11. D, all of the Above (Red Seal, Canada, www.red-seal.ca) 12. D, \$14.49/hour (Carpenters' Local Union 27 Joint Apprenticeship & Training Trust Fund Inc.) 13. B, 80%, 20% 14. B, a certificate of qualification 15. D, all of the above 16. C, 248,000 apprentices (Statistics Canada) 17. C, Choosing skilled trade and technology careers as first choice career options 18. B Nunavut Early Apprenticeship Training 19. Territorial Skills Competition, this year it will be held in Iqaluit on Tuesday, April 3, 2007. 20. True 21. D. All of the above. 22. D All of the above