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Now Hiring!

Jobs in Trade & Transportation

This lesson, which is informed by the big idea of Interconnectedness, introduces students to some of the work and career options in International Trade and Transportation. Starting with an activity that raises students' awareness about the growth of the Port of Prince Rupert, students are asked to research and to teach each other about a port-related job. Students then create a job advertisement for a port-related job that describes the qualifications, experience and attributes of the ideal candidate.

CLASSROOM TIME REQUIRED

3-4 sessions of 45-60 minutes

LEARNING OBJECTIVES AND OUTCOMES

Students will:

- Research and gain an understanding of local career options that are directly related to activities supported by the Port of Prince Rupert
- Identify the education, experience, skills and personal attributes required to do a specific port job
- Use a range of information sources about careers, education and training
- Summarize career and labour market information
- Analyze job advertisements and create a job advertisement of their own

MATERIALS REQUIRED

- News headlines about growth and career opportunities at the Port of Prince Rupert (see *Attachments* below)
- Example of a mind map for organizing students' research findings (see *Attachments* below)
- Resource sheet: *Careers at the Port: Research Links and Resources* (see *Attachments* below)
- Job sections from a range of local, regional and national newspapers
- Resource sheet: *Sources for "How to Write a Job Advertisement"* (see *Attachments* below)

TECHNOLOGY RESOURCES REQUIRED

- Computer and projector or Smart Board
- Computer and internet access for student research

TEACHER PREPARATION

- Become familiar with the information in the *Attachments* to this lesson plan.

- Determine the method that you will use for randomly assigning students (or pairs of students) the Port careers listed in Activity 2.
- Gather and bring in the jobs/employment sections of a range of local, regional and national newspapers.

CRITICAL VOCABULARY

Coast Guard Officer	Gantry Crane Operator	Meteorologist
Customs Officer	Longshore Worker/Stevedore	Shipping Agent
Environmental Engineer	Marine Pilot	Vessel Traffic Officer

LESSON DEVELOPMENT

Activity 1

- Explain to the students that this lesson will introduce them to a number of careers in Trade and Transportation – careers that are associated with the activities of the Port of Prince Rupert.
- Using the projector, Smart Board, or in the form of a hand out, show students the recent media headlines about growth and career opportunities at the Port of Prince Rupert (see *Attachments* below).
- Lead a discussion with the students about what these headlines could mean for them with respect to future career and lifestyle choices:
 - Through the discussion, encourage students to share their own level of awareness of the opportunities at the Port and their interest in working there.
 - Support students in identifying some of the benefits of the increasing job opportunities at the Port (for example, diversity of local jobs, more opportunities to stay in Prince Rupert, growth in other employment sectors that serve the Port, etc.)
- Broaden the discussion by asking students if they know anyone – a family member or friend, for example – who works at the Port. Invite those students to share what they know about their friend’s/family member’s job and the kind of lifestyle that comes with it.

Activity 2

- Randomly assign each student one of the following Port-related careers:
 - Coast Guard Officer
 - Customs Officer
 - Environmental Engineer
 - Gantry Crane Operator
 - Longshore Worker/Stevedore
 - Meteorologist
 - Marine Pilot
 - Shipping Agent

- Vessel Traffic Officer

(The careers have been chosen to represent a variety of required skills, duties and formal training/education.)

- Individually, or in pairs (of the same job), students conduct research into and make working notes on the career that they have been given. Students can use a mind map to organize their findings. (See example in *Attachments* below.)

Their research should address the following types of information:

- Main career-related tasks and responsibilities;
 - Working conditions;
 - Formal education and qualifications required;
 - Skills required;
 - Personal qualities considered necessary for the career;
 - Different grades or levels within the career stream (from entry level to most senior position); and
 - Salary range.
- Refer to the *Careers at the Port: Research Links and Resources* (in *Attachments* below) sheet to give students some support and assistance with their research. (The following activity works best, however, if each student/pair of students has found information from different sources.)

Activity 3

- *Jigsaw Activity, part (a)* –
 - Put students into groups according to the careers they have been researching (e.g. all Customs Officers together, all Shipping Agents together, and so on). These groups will become “experts” on their career.
 - Have students combine their findings onto a mind map to come up with the most important facts about their career using the information categories given in Activity 2. (See example mind map in *Attachments* below.)
 - Make sure that each group member has a copy of this “master” mind map.
- *Jigsaw Activity, part (b)* –
 - Put the students into groups in which each student in the group is an “expert” on a different career.
 - In these groups, have each student report the information that was put together in their “expert” group, so that each “expert” teaches the other group members about her/his particular career.
- Lead the whole class in a general discussion of the findings. Questions could include:
 - Which of the careers appeals to you most? Why?
 - Which of the careers appeals to you least? Why?
 - What was the most surprising or interesting thing that you learned about the career that you researched and/or the careers that your classmates taught you about?

ASSESSMENT

Students choose a partner with the same original career. Working in pairs, students create a one-page job advertisement for their career. As appropriate, students should select a specific position level within the career stream (e.g. entry level, graduate position, senior position, etc.).

In preparation for this task, have students look at some examples of job advertisements. You could bring in the job sections from a number of local, regional and national newspapers and/or have students browse advertisements on such job sites as Monster and Workopolis.

Brainstorm with students the components and attributes of effective job advertisements. (See list of online Sources for “How to Write a Job Advertisement”, attached below.)

Work with the students to determine the assessment criteria for the finished advertisement. Appropriate criteria might include:

- Inclusion of all necessary information, such as:
 - Job title/position;
 - Overview of the Port of Prince Rupert (the employer);
 - Main duties/responsibilities of the job;
 - Required education/qualifications, experience, skills and qualities;
 - Hourly rate or annual salary; and
 - How to apply and the application deadline.
- How clear and readable the advertisement is.
- How eye-catching and engaging the advertisement is.

MODIFICATIONS

- Information in the job advertisement can be presented in bullet points (rather than full sentences and paragraphs).
- As appropriate, students could do an audio recording of their job advertisement instead of a written one.

EXTENSIONS

Interviewing a Local Person in a Port-related Job

Help students set up an interview with someone whose work is directly related to activity that is sustained by the Port of Prince Rupert in the role that they have researched.

Presentation by a Local Person in a Port-related Job

Invite someone whose work is directly related to activity that is sustained by the Port of Prince Rupert to come to talk to the class about his or her job. If one of the students has a family member or friend who works in a port-related job, find out if they can come in and give a talk.

ADDITIONAL RESOURCES

- WorkBC – Government of British Columbia site for learning about careers and jobs, training and education, and labour market information
- Career Trek – Interactive, BC-specific career exploration site (part of WorkBC)

- Working in Canada – Federal site containing career and labour market information and video sources
- Education Planner – BC-specific site for exploring and planning post-secondary training and education

ATTACHMENTS (below)

- News headlines about growth and career opportunities at the Port of Prince Rupert
- Example mind map
- Resource sheet: *Careers at the Port: Research Links and Resources*
- Resource sheet: *Sources for “How to Write a Job Advertisement”*

Prince Rupert Port Authority CEO says 2012 laid the groundwork for a bright future

The Northern View, January 23, 2013

Partnership launches major trades-training initiative in Prince Rupert

The Northern View, January 22, 2013

Port's growth returns prosperity to Prince Rupert

Vancouver Sun, September 21, 2012

Hecate Strait to administer new employment program

The Northern View, December 21, 2011

Prince Rupert Port Authority on track for a record-breaking year

The Northern View, October 9, 2012

Prince Rupert's Fairview Terminal expansion given the green light

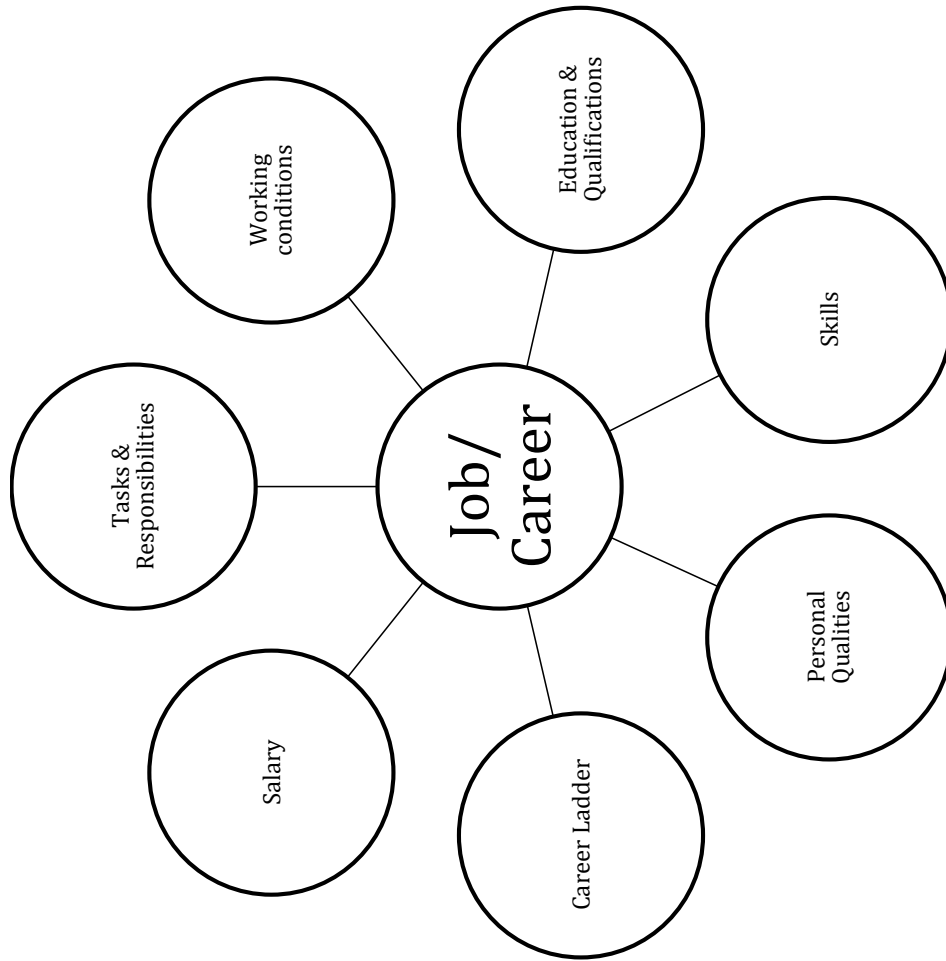
The Northern View, January 25, 2013

Prince Rupert industry partners sponsoring marine training

The Northern View, November 28, 2012

Prince Rupert workers needed

The Northern View, February 13, 2013



Careers at the Port: Research Links and Resources

Coast Guard Officer

<http://www.ccg-gcc.gc.ca/eng/CCG/Home> - Canadian Coast Guard

<http://www.ccg-gcc.gc.ca/eng/CCG/Careers> - Canadian Coast Guard careers page – includes featured jobs, videos, recruitment kit, photos

<http://www.youtube.com/user/CCGrecruitmentGCC?feature=mhum> - Canadian Coast Guard YouTube channel

<http://jobs-emplois.gc.ca/index-eng.htm> - Careers in the Federal Public Service

http://www.ccg-gcc.gc.ca/eng/CCG/Ccg_College - Home page for Canadian Coast Guard College

http://en.wikipedia.org/wiki/Canadian_Coast_Guard_College - Wikipedia page on Canadian Coast Guard College

Customs Officer

<http://www.cbsa-asfc.gc.ca/menu-eng.html> - Canada Border Services Agency

<http://www.cbsa-asfc.gc.ca/job-emploi/menu-eng.html> - CBSA Job Opportunities page

<http://www.youtube.com/watch?v=gAVkd7gQtjQ> - YouTube video on what it's like to work for the CBSA

http://en.wikipedia.org/wiki/Canada_Border_Services_Agency - Wikipedia page on CBSA

<http://www.canadacustomsinfo.com/how-to-become-a-customs-and-immigration-officer-in-canada---a-job-as-a-border-services-officer/> - An “unofficial” guide to Canada Customs

<http://work.chron.com/apply-canadian-customs-officer-training-14069.html>

<http://www.workbc.ca/Careers/Career-Profiles/Pages/Immigration-Employment-Insurance-and-Revenue-Officers-1228-page1.aspx?from=search> - Work BC job profile and outlook

Environmental Engineer

<http://www.eco.ca/occupationalprofiles/profiles/environmental-engineer/104/> - ECO Canada (Environmental Careers Organization) profile of Environmental Engineer

http://www.youtube.com/watch?v=3_dowlkeADk - Working in Canada video, Environmental Engineer

<http://www.youtube.com/watch?v=k2epvAUeDCI> - National Science Foundation video on working as an Environmental Engineer

http://www.mypursuit.com/careers-17-2081.00/Environmental_Engineer.html - MyPursuit.com profile of Environmental Engineer

<http://job-descriptions.careerplanner.com/Environmental-Engineers.cfm> - Career Planner profile of Environmental Engineer

http://alis.alberta.ca/occinfo/Content/RequestAction.asp?aspAction=GetHTMLProfile&format=html&occPro_ID=71002463 - Government of Alberta Occupational Profiles – Environmental Engineer

Gantry Crane Operator

<http://www10.hrsdc.gc.ca/English/ShowProfile.aspx?v=308> - Human Resources and Skills Development Canada job profile

<http://www5.hrsdc.gc.ca/noc/english/noc/2011/Profile.aspx?val=7&val1=7371> - HRSDC job profile

<http://www.bcacs.ca/index.php/crane-operator/> - BC Association for Crane Safety

<http://www.bcacs.ca/index.php/about-the-trade/a-day-in-the-life/> - Day in the Life account on BCACS site

<http://www.workbc.ca/Careers/Career-Profiles/Pages/Crane-Operators-7371-page1.aspx?from=index> - WorkBC job profile

<http://www.youtube.com/watch?v=H39kYfNx8XA> - YouTube video of female gantry crane operator produced by Global Logistics Media

<http://www.abcnews4.com/story/19510635/the-backbone-of-the-ports-an-inside-look-at-port-crane-operators> - US ABC News story on port crane operators

Longshore Worker/Stevedore

<http://www.workbc.ca/Careers/Career-Profiles/Pages/Longshore-Workers-7451-page1.aspx?from=index> - WorkBC job profile

<http://www.careertrekbc.ca/episode/long-shore-worker#> - WorkBC “Career Trek” video of a longshore worker in Prince Rupert

<http://www.bcshippingnews.com/photo/longshoremen-work> - Photo essay on a day in the life of a longshore worker

<http://jobs.lovetoknow.com/how-do-i-become-longshoreman> - Love to Know Jobs and Careers

<http://en.wikipedia.org/wiki/Longshoreman> - Wikipedia entry

<http://www.jobmonkey.com/uniquejobs/stevedore.html> - Job Monkey profile of stevedore

http://www.jobmonkey.com/maritimejobs/longshoreman_jobs.html - Job Monkey profile of longshoreman

Marine Pilot

http://en.wikipedia.org/wiki/Maritime_pilot - Wikipedia entry on marine pilot

<http://www.marinepilots.ca/en/index.html> - Canadian Marine Pilots Association

<http://www.bccoastpilots.com> - British Columbia Coast Pilots Ltd.

http://www.ppa.gc.ca/text/documents/How_to_become_a_pilot.pdf - Federal Government guide on how to become a marine pilot

<http://www.youtube.com/watch?v=8yOWnEIS5Ek> - YouTube video describing job of marine pilot

<http://www.youtube.com/user/janemci> - Series of videos on BC Coast Pilots produced by Jane McIvor

Meteorologist

<http://www.cmos.ca/carmet.html> - Canadian Meteorological and Oceanographic Society page on Choosing a Career in Atmospheric Sciences

<http://www.ec.gc.ca/meteo-weather/default.asp?lang=En&n=FDf98F96-1> - Environment Canada Meteorology page

<http://www.youtube.com/watch?v=WRq7oIB3U18> - YouTube video by Environment Canada about the science of meteorology

<http://www.workbc.ca/Careers/Career-Profiles/Pages/Meteorologists-2114-page1.aspx?from=search> - WorkBC job profile and outlook

<http://www.ec.gc.ca/emplois-jobs/default.asp?lang=en&n=39B046ED-1#ria> - Meet Ria, a Meteorologist

http://www.sciencebuddies.org/science-fair-projects/science-engineering-careers/Weather_meterologist_c001.shtml - Science Buddies, profile of meteorologist (US site, but still generically useful)

http://alis.alberta.ca/occinfo/content/requestaction.asp?aspaction=gethtmlprofile&format=html&occpro_id=71002617 - Occupational profile by Government of Alberta

<http://www.wisageek.com/how-do-i-become-a-stevedore.htm> - Wise Geek guide to becoming a stevedore

Shipping Agent

<http://www.supplychaincanada.org/assets/u/CSCSCOSFinalShipperandReceiver.pdf> - Canadian Supply Chain Sector Council Occupation Standard

<http://www30.hrsdc.gc.ca/NOC/English/NOC/2006/QuickSearch.aspx?val65=1471> - Human Resources and Skills Development Canada profile

<http://www.workbc.ca/Careers/Career-Profiles/Pages/Shippers-and-Receiver-1471-page1.aspx?from=index> - WorkBC profile

<http://www.st-laurent.org/sites/default/files/files/agent%20maritime%20mtq%20web%20anglais.pdf> - Transport Quebec description of a shipping agent

http://en.wikipedia.org/wiki/Shipping_agency - Wikipedia entry for shipping agency

http://www.youtube.com/watch?v=NxTeJ8Oit_o - Cargo and Freight Agent career overview video on YouTube, produced by CityTownInfo.com

<http://www.sokanu.com/careers/cargo-and-freight-agent/>

Vessel Traffic Officer

<http://www.maritimeindustryfoundation.com/careers/ports-and-terminals/vessel-traffic-control-officer> - The Maritime Industry Foundation Knowledge Centre overview of the roles and responsibilities of a vessel traffic officer

http://en.wikipedia.org/wiki/Vessel_traffic_service - Wikipedia entry on Vessel Traffic Service

<http://www.ccg-gcc.gc.ca/e0003910> - Canadian Coast Guard description of Vessel Traffic Services

<http://www.marinfo.gc.ca/en/emplois/OSCTM.asp> - Canadian Coast Guard description of a Marine Communications and Traffic Services Officer

http://www.nfl.dfo-mpo.gc.ca/folios/00090/docs/MCTS_Officer_agent_des_SCTM_VD-Eng.pdf - visually engaging overview of the roles and responsibilities of a Marine Communications and Traffic Services Officer

<http://www.ccg-gcc.gc.ca/e0003903> - Details of Marine Communications and Traffic Services in Prince Rupert on the Canadian Coast Guard website

http://my.tbaytel.net/va3rom/mywebsite_012.htm - Personal account of working as a Marine Communications and Traffic Services Officer in Thunder Bay, Ontario

<http://www.military.com/daily-news/2012/09/26/vessel-traffic-service-celebrates-40th-anniversary.html> - US article on 40th anniversary of Vessel Traffic Service (includes references to operations with Canada in Puget Sound)

<http://www.youtube.com/watch?v=15n7L77AJmM> - YouTube video giving an overview of vessel traffic services in the European Union

Sources for “How to Write a Job Advertisement”

Guides to Creating Effective Job Ads

http://www.science.mcmaster.ca/scce/files/forms/employers/Writing_an_Effective_Job_Posting.pdf - guide from McMaster University

<http://www.ekemployment.org/files/userfiles/file/Writing%20a%20Job%20Ad%20with%20Impact.pdf> - clear, succinct guide

<http://careers.tufts.edu/employers/writingtips.pdf> - more detailed guide adapted from the book *Finding Keepers: The Monster Guide to Hiring and Holding the World's Best Employees* by Steve Pogorzelski, Jesse Harriott, Ph.D., and Doug Hardy. Published January 2008 by McGraw Hill.

<http://www.ntcoss.org.au/sites/www.ntcoss.org.au/files/Job%20Advertising%20Tips.pdf> - colourful and graphically appealing guide

<http://www.qbic.com.au/files/Writing%20the%20Winning%20Job%20Ad.pdf> - guide from Queensland Transport, Australia

http://www.adelaide.edu.au/hr/recruitment/docs/Effective_Ads.pdf - guide from University of Adelaide, Australia

Canadian Job Websites

<http://www.eluta.ca>

www.monster.ca

www.simplyhired.ca

www.workopolis.ca

<http://www.wowjobs.ca>