



Technical Education
and Skills Development Authority

Webliography

The Webliography is an electronic bibliographic listing of topics related to the qualification titles of a particular TVET priority sector, with pre-searched *URLs* (uniform resource locators) and descriptions (abstracts).

The pre-searched *URLs* provide contents in reference to the title of promulgated Training Regulations (TR). By clicking the weblinks (underlined *URLs* in blue text), your internet browser will direct you to the website/webpage where you can find the topic related to the title you selected. The Webliography is a useful tool for trainers who are designing and developing competency-based curriculum and learning materials.

[TESDA](#) » [Webliography](#) » [Construction Sector](#)

INTERNET RESOURCES

Construction Sector

Scope:

Buildings, roads and bridges are essential to ever growing communities that demand the highest quality work. Workers in this sector have various classifications and levels

Source: <http://www.processtechnicalservices.com/quality-assurance.asp>

❖ International building code

<http://publicecodes.cyberregs.com/icod/ibc/2012/index.htm>

“This webpage contains learning resource material that regulates and governs the conditions and maintenance of properties, buildings and structures.”

[Retrieved July 14, 2014]

❖ Construction and carpentry

<http://www.basiccarpentrytechniques.com/>

“This webpage contains a list of learning resources and provides an update to construction and carpentry”.

[Retrieved July 07, 2009]

List of qualifications:

- Articulated off-highway dump truck NC II
- Backhoe loader [HEO] NC II
- Building wiring maintenance NC II –III
- Bulldozer [HEO] NC II
- Carpentry NC II & III
- Concrete stacker NC II
- Construction painting NC II & III
- Crawler crane [HEO] NC II
- Electrical installation maintenance NC II – IV
- Forklift [HEO] NC II
- Gantry crane [HEO] NC II
- Hydraulic excavator [HEO] NC II
- Masonry NC II & III
- Motor grader [HEO] NC II
- Paver [HEO] NC II
- Plumbing NC I – III
- PV system design NC II
- PV system installation NC II
- PV system servicing NC III
- Reinforced steel bar installation NC II
- Rigid off-highway dump truck [HEO] NC II
- Rigid on-highway [HEO] NC II
- Rigging NC II
- Road roller NC II
- Rough terrain crane NC II
- Scaffold erection NC I
- Screed operation NC I
- Structural erection NC I
- Tile setting NC II
- Transit tower crane NC II
- Truck mounted crane NC II
- Tower crane NC II
- Wheel loader NC II

INTERNET RESOURCES

Articulated off-highway dump truck NC II

Core Competencies

- Perform pre- and post-operation procedures for hauling equipment
- Perform basic preventive maintenance servicing for hauling equipment
- Perform productive operation for off-highway dump truck (articulated)

❖ Dump truck definition

<http://www.answers.com/topic/dump-truck>

“This webpage defines the dump truck.”

❖ The first articulated dump truck

<http://www.constructionequipment.com/first-articulated-dump-trucks>

“This webpage features the first ADT that was introduced in 1963.”

❖ John Deere Articulated off-highway dump trucks

https://www.deere.com/wps/dcom/en_US/products/equipment/articulated_dump_trucks/articulated_dump_trucks.page

“This is a webpage showing dump trucks in action, including the weight categories and specifications.”

[Retrieved April 29, 2014]

❖ How to specify trucks for off-road performance

<http://www.constructionequipment.com/how-specify-trucks-road-performance>

“This webpage details the specifications required for an off-road truck.”

❖ Minimum turning paths of design vehicles

http://design.transportation.org/Documents/TurnRadii_GreenBook2004.pdf

“This webpage explains the required space for vehicles to make a turn.”

❖ Terex articulated dump trucks

http://elit.terex.com/assets/ucm03_037632.pdf

“This webpage shows the features of the Terex TA300 articulated dump truck with action photos.”

❖ Description of backhoe loader

http://en.wikipedia.org/wiki/Backhoe_loader

“This webpage describes backhoe loaders as equipment in construction.”

[Retrieved April 29, 2014]

❖ CAT backhoe loaders

http://www.cat.com/en_IN/products/new/equipment/backhoe-loaders.html

“This webpage features the CAT backhoe loaders including some other models to choose from.”

❖ How to operate a backhoe

<http://www.wikihow.com/Operate-a-Backhoe>

“This webpage explains the operation of a backhoe.”

❖ Description of building wiring maintenance

<http://www.telecom.co.nz/phoneline/phoneline/existingcustomers/wiringmaintenance/service/>

“This webpage describes the role of building maintenance in construction.”

❖ Installing aluminum building wire

<http://ecmweb.com/content/installing-aluminum-building-wire>

“This webpage advertises the use of aluminum cables for electrical applications.”

Backhoe loader [HEO] NC II

Core Competencies

- Perform pre- and post-operation procedures for earth moving equipment
- Perform basic preventive maintenance servicing for earth moving equipment
- Perform productive operation for backhoe loader

Electrical installation and maintenance NC II

Core Competencies

- Prepare electrical power and hydraulic tools
- Perform roughing-in activities for communication and distribution systems
- Install wiring devices for floor and ground fault current

INTERNET RESOURCES

interrupting outlets

- Install electrical protection system for lighting and grounding
- Install electrical lighting systems on auxiliary outlets and lighting fixtures

❖ **Powered platform for building maintenance installations (OSHA)**

https://www.osha.gov/pls/oshaweb/owadisp.show_document?p_tab/e=standards&p_id=9727

“This webpage from the US Department of Labor is a Safety Regulation Standard for powered platform installation.”

❖ **Wiring maintenance**

<http://www.telecom.co.nz/mytelecom/mylandline/wiringmaintenance/>

“This webpage provides information and tips on communication wiring maintenance.”

❖ **Basic electrical wiring techniques**

<http://www.diyadvice.com/diy/electrical/how-to/>

“This webpage is for do-it-yourself enthusiasts who prefer to perform basic electrical installations.”

❖ **Wire maintenance plan**

<http://www.clarencetelinc.com/PDFs/Wire%20Maintenance%20Plan.pdf>

“This webpage describes briefly how a wiring maintenance plan is planned.”

❖ **Datacomm office wiring: recommended procedures**

<http://ecmweb.com/content/datacom-office-wiring-recommended-procedures>

“This webpage describes the EIA/TIA standards for wiring the office.”

❖ **Fire alarm system facts**

<http://ecmweb.com/code-basics/fire-alarm-system-facts>

“This webpage advertises Article 760 that explains how to install wiring and equipment for fire alarm systems.”

❖ **What is electrical maintenance**

<http://www.wisegeek.org/what-is-electrical-maintenance.htm>

“This webpage explains how electrical maintenance is required with illustrations.”

❖ **Building wire and cable**

<http://www.nema.org/products/Pages/Building-Wire-and-Cable.aspx>

“This webpage introduces the products of NEMA for electrical wires and cables.”

❖ **Flexible cords, cables and fixture wire**

<http://ecmweb.com/code-basics/flexible-cords-cables-and-fixture-wire>

“This webpage provides the wiring requirements of article 400, including guidelines for flexible cords, cables and fixtures.”

❖ **Wiring a building switchboard from an outdoor transformer**

<http://ecmweb.com/content/wiring-building-switchboard-outdoor-transformer>

“This webpage explains the rules when installing outdoor transformers.”

❖ **Lighting controls**

<http://www.facilitiesnet.com/lighting/article/With-Lighting-Controls-Facility-Managers-Should-Understand-Products-Buildings-Wiring--13122>

INTERNET RESOURCES

Bulldozer [HEO] NC II

Core Competencies

- Perform pre- and post-operation procedures for earth moving equipment
- Perform basic preventive maintenance servicing for earth moving equipment
- Perform productive operation for bulldozer

Carpentry NC II

Core Competencies

- Prepare / Stake-out building lines
- Fabricate formworks
- Install formwork components
- Strip formwork components
- Install framing works

Carpentry NC III

Core Competencies

- Install architectural ceiling, wall sheaths / panels / boards and floor finishes
- Fabricate / install door / window jambs and panels
- Install stair components and / or pre-fabricated stairs assembly
- Install built-in and / or pre-fabricated cabinets

"This webpage explains the importance of carefully selecting lighting control products."

❖ Description of Bulldozer operator

<http://dot-job-descriptions.careerplanner.com/BULLDOZER-OPERATOR-I.cfm>

"This learning resource from CareerPlanner.com describes the job of a bulldozer operator and includes tips on how to get the right job."

❖ Bulldozer operation modules

<http://www.heavyconstructionacademy.com/category/bulldozer-operations/>

"This webpage describes the operation of bulldozers in different terrains including safety to the operator and equipment."

❖ How to operate a bulldozer in steep terrain

http://www.ehow.com/how_6301912_operate-dozer-steep-terrain.html

"This webpage provides brief instructions on how to operate the bulldozer in steep terrain."

❖ How to add tilt to a dozer

http://www.ehow.com/how_7386351_add-tilt-dozer.html

"This webpage describes a brief procedure on how to modify the bulldozer for certain operations."

❖ How to use a dozer

http://www.ehow.com/how_6101339_use-dozer.html

"This webpage describes the basic operation of a bulldozer."

❖ CAT Bulldozer

<http://www.clevelandbrothers.com/bulldozers-for-sale>

"This webpage shows different bulldozer sizes and features"

❖ 2009 International building code

<http://www.bookmarki.com/2009-International-Building-Code-Series->

"This learning resource material it regulates and governs the conditions and maintenance of property, buildings and structures."

[Retrieved July 09, 2009]

❖ Carpentry and building construction

<http://www.alibris.com/search/books/qwork/938576/used/Carpentry%20>

"It's a learning resource materials designed in wood technology and do it yourself to those who wishes remodeling projects."

[Retrieved July 07, 2009]

❖ Construction and carpentry

http://www.sasked.gov.sk.ca/curr_inst/iru/bibs/update04/13.htm

"A list of learning resources provides an update to the construction and carpentry".

[Retrieved July 07, 2009]

❖ New complete do-it-yourself manual

<http://www.donet.com/~avw/bookstore.html#Anchor-HELPFUL-18644>

"Its a guidebook of learning resource materials on the latest tools, materials, techniques and home repairs & improvement projects."

[Retrieved July 07, 2009]

INTERNET RESOURCES

❖ Overhead storage space: how -to

http://articles.directorym.net/Overhead_Storage_Space_Arizona-r943272-Arizona.html

"It's a learning resource material with one(1) webpage project plan on preparing a storage space on the unused storage area at the house attic. It's a step by step illustration."

[Retrieved July 09, 2009]

❖ Pole construction for low-cost outdoor storage

<http://www.shopsmithhandson.com/>

"A one(1) webpage of learning resource material designs for building a low cost of storage or garage".

[Retrieved July 07, 2009]

❖ A traditional drop leaf table: articles and projects

http://www.shopsmith.com/ownersite/proj_articles/dropleaftable/index.htm

"This webpage contains articles that provides the details, drawings and lay-out of the project."

[Retrieved July 07, 2009]

❖ Concrete pump definition

http://en.wikipedia.org/wiki/Concrete_pump

<http://ezinearticles.com/?What-Is-A-Concrete-Pump?&id=5367738>

"This webpage defines concrete pump".

[Retrieved July 14, 2014]

❖ Concrete pump operator career

<http://www.mymajors.com/career/concrete-pump-operator/>

"This webpage describes the career of a concrete pump operator".

[Retrieved July 14, 2014]

❖ How does a concrete pump truck work

<http://www.everything-about-concrete.com/how-does-a-concrete-pump-truck-work.html>

"This webpage describes the equipment used by a concrete pump operator".

[Retrieved July 14, 2014]

❖ Drywall: completely revised and updated

<http://www.bookmarki.com/Drywall-Painting-Tiling-s/103.htm>

"This learning resource material demonstrates the processes in step by step detail."

[Retrieved July 08, 2009]

❖ Painting wall stripes

<http://www.diynetwork.com/painting/index.html>

"This learning resource material discusses the painting techniques, staining and choosing the colors."

[Retrieved July 09, 2009]

Concrete pump

NC II

Core Competencies

- Perform pre- and post-operation procedures for concreting and asphaltting equipment
- Perform basic preventive maintenance servicing for concreting and asphaltting equipment
- Perform productive operation for concrete pump

Construction painting NC II

Core Competencies

- Prepare tools, painting materials and equipment
- Prepare surface for painting
- Perform painting work

Construction painting NC III

Core Competencies

- Prepare tools, painting materials and equipment
- Prepare surface for painting
- Perform painting work
- Estimate painting requirements
- Perform mixing / tinting of paints
- Perform re-painting / re-touching work

INTERNET RESOURCES

Crawler crane NC II

Core Competencies

- Perform pre- and post-operation procedures for lifting equipment
- Perform basic preventive maintenance servicing for lifting equipment
- Perform productive operation for crawler crane

Container stacker NC II

Core Competencies

- Perform pre- and post-operation procedures for material handling equipment
- Perform basic preventive maintenance servicing for container stacker
- Perform productive operation for container stacker

Electrical installation & maintenance NC II

Unit of Competency

- Perform Installation of Standard Electrical Protection System for Lighting and Grounding

Learning Outcomes:

*Plan and prepare for work

❖ Crawler crane definition

<http://www.merriam-webster.com/dictionary/crawler%20crane>

<http://www.wisegeek.com/what-is-a-crawler-crane.htm>

"This webpage describes the crawler crane."

[Retrieved July 14, 2014]

❖ Crawler crane operator jobs

<http://www.jobisjob.com/crawler+crane+operator/jobs>

"This webpage describes the jobs of a crawler crane operator."

[Retrieved July 14, 2014]

❖ Crawler crane safety

http://www.ehow.com/facts_6873149_crawler-crane-safety.html

"This webpage details the safety aspects in operating the crawler crane."

[Retrieved July 14, 2014]

❖ Container stacker definition

<http://www.thefreedictionary.com/stacker>

http://en.wikipedia.org/wiki/Intermodal_container

"This webpage defines the container stacker."

[Retrieved July 14, 2014]

❖ Container stacker job description

<http://www.seek.com.au/job/26832738>

"This webpage defines the role of a container stacker for the job requirement and opportunity."

[Retrieved July 14, 2014]

❖ Container stacker job opportunities

http://www.jobseeker.com.au/Reach-Container-Stacker-jobs#email_alert_modal

"This webpage lists some foreign career opportunities for a container stacker."

[Retrieved July 14, 2014]

❖ Container stacking cones

<http://www.pacificmarine.net/marine-deck/cargo-securing/container-stacking-cones.htm>

"This webpage presents the cones used in securing the container to the carriage."

[Retrieved July 14, 2014]

❖ National electrical code tips

<http://www.codebookcity.com/codearticles/nec/10codetips.htm>

"This reference learning resource material is intended for engineers, construction workers referring the standard codes, techniques on *electrical works*; provides loads of information, tips, and methods and formulas."

[Retrieved July 09, 2009]

❖ Electrical Protection System for Lightning and Grounding

http://www.lightningsafety.com/nlsi_lhm/grounding_principles_NFPA_780.html

"This webpage contains explanations on electrical protection system for lightning and grounding"

[Retrieved October 1, 2015]

❖ Interpret work instructions / Interpreting plan and details

INTERNET RESOURCES

http://www.hsc.csu.edu.au/construction/other_units/compulsory/bcg1003a/bcg1003a/bcg1003aedit1csu.html

“This is a tutorial on how to interpret work instructions, electrical plans and details.”

[Retrieved October 1, 2015)

❖ Tools, equipment and PPE needed to install electrical wiring

1. http://www.licensedelectrician.com/Store/Electrician_Tools.htm

This webpage explains the different tools, equipment and PPEs to be used for installing electrical wiring devices.

2. <http://www.cableorganizer.com/electrical-safety/arc-flash-protection/>

[Retrieved October 1, 2015)

❖ Estimating Electrical bill of materials as per Plan

http://photos.state.gov/libraries/iraq/5/contracting/statement_work.pdf

“This webpage provides details on estimating bill of materials for electrical projects.”

[Retrieved October 1, 2015)

❖ Ohm's Law,

<https://learn.sparkfun.com/tutorials/voltage-current-resistance-and-ohms-law/all.pdf>

“Covered in this tutorial is how electrical charge relates to voltage, current, and resistance.”

[Retrieved October 1, 2015)

❖ Voltage, Current, Resistance, and Ohm's Law

<https://learn.sparkfun.com/tutorials/voltage-current-resistance-and-ohms-law>

“This tutorial will give you the basic understanding of voltage, current, and resistance and how the three relate to each other.”

[Retrieved October 1, 2015)

❖ English and Metric System and Conversion

<http://mathbitsnotebook.com/Algebra1/Units/UNMetricEnglish.html>

“This webpage contains the *metric system*, each basic type of measurement (length, weight, capacity) has one basic unit of measure (meter, gram, and liter). A conversion from English to metric system is explained.”

[Retrieved October 1, 2015)

❖ Safety procedures in installing electrical protection system as per PEC and Industry standards

<http://www.slideshare.net/Jerick54/philippine-electrical-code>

[Retrieved October 1, 2015)

❖ Minimizing risks

http://w3.siemens.com/powerdistribution/global/en/lv/news_installation-technology_installationstechnik/customer-magazines/e-installation/installation-technology/pages/protection-measures-electrical-systems.aspx

“This site provides many sources of electrical hazards from fault currents to overcurrent to overvoltage in the power grid and a comprehensive protection system with interconnecting safety components provides the best safeguard for people and equipment.”

[Retrieved October 1, 2015)

❖ Circuit Drawings and Wiring Programs

www.mytrainingbc.ca/SkillsExploration/.../Elec_7_Circuitdrawings.pdf

“This site will give you basic knowledge on how to properly take information from an electrical drawing or diagram understanding some basic symbols for schematic drawings and wiring diagrams.”

*Install electrical protection system

INTERNET RESOURCES

[Retrieved October 1, 2015)

❖ Interpreting plan and details

<http://www.pdhsite.com/courses/Reading%20and%20Interpreting%20Construction%20Drawings.pdf>

“This webpage contains details on the floor *plan* showing floor finishes, walls, doors, stairways, fire places... The Electrical drawings (E) include the electrical wiring, lighting plan.

[Retrieved October 1, 2015)

❖ Procedures for installation of electrical protection system

http://www.gl-group.com/infoServices/rules/pdfs/gl_i-1-3_e.pdf

❖ Waste Management

<http://www.conserve-energy-future.com/waste-management-and-waste-disposal-methods.php>

“This site provides a definition of waste management and gives various types and methods of waste disposal including electrical and electronic products.”

❖ Recycle Now: Electricals

<http://www.recyclenow.com/facts-figures/how-it-recycled/electricals>

“This site describes electrical and electronic tools can all be either recycled or reused and its environmental impacts. It also gives examples on What waste electrical items can be turned into.”

[Retrieved October 1, 2015)

❖ 5S on Good Housekeeping

<http://www.slideshare.net/moralescapri/5s-the-practice-of-good-housekeeping-39501798>

“This is a power point slide presentation describing and explaining in detail what 5S is.”

[Retrieved October 1, 2015)

❖ Tools, equipment and PPE needed to install electrical wiring

1. http://www.licensedelectrician.com/Store/Electrician_Tools.htm

This webpage explains the different tools, equipment and PPEs to be used for installing electrical wiring devices.

2. <http://www.cableorganizer.com/electrical-safety/arc-flash-protection/>

[Retrieved October 1, 2015)

❖ Motor Controller Definition

https://en.wikipedia.org/wiki/Motor_controller

“This webpage defines electric motor controller as a device or group of devices that serves to govern in some predetermined manner the performance of an electric motor.”

[Retrieved October 1, 2015)

❖ Motor Control Fundamentals

<http://www.slideshare.net/conceptbright/motor-control-fundamentals>

“This webpage features a slideshow showing the different components used in electrical control systems including power circuits.”

[Retrieved October 1, 2015)

❖ Electrical Control Wiring

<https://www.youtube.com/watch?v=eHd9EUuMzIU>

“This YouTube video shows the procedures in testing and checking electrical control wiring.”

[Retrieved October 1, 2015)

❖ Three Phase Motor Power and Control Wiring Diagrams

*Notify completion of work

Electrical Installation and Maintenance NC III

Unit of Competency:

- Perform Assembly and Install Electrical Lighting and Motor Control Systems

Learning Outcomes:

- *Check/Review type and purpose of electrical control system
- *Assemble electrical control system

INTERNET RESOURCES

<http://www.electricaltechnology.org/2014/06/three-phase-motor-power-control-wiring-diagrams.html>

“This webpage shows and explains the different three phase motor connections and different wiring diagrams for motor control systems.”

[Retrieved October 1, 2015]

❖ Electrical Safety at Work

<http://www.hse.gov.uk/electricity/nearelectric.htm>

“This webpage emphasizes safety precautions involved in performing electrical installations and maintenance works.”

[Retrieved October 1, 2015]

❖ How to Write a Technical Report

file:///C:/Users/kuya/Downloads/Writing_Report.pdf

“This internet PDF file explains the procedure and tips in writing a good technical report beneficial in the accomplishments of required job in the workplace.”

[Retrieved October 1, 2015]

❖ Standard Electrical Symbols for Schematic Diagrams

<https://www.edrawsoft.com/electrical-symbols.php>

“This webpage shows the standard electrical symbols that are used in drawing and reading electrical schematic diagrams.”

[Retrieved October 1, 2015]

❖ Motor Control Fundamentals

<https://www.myodesie.com/wiki/index/returnEntry/id/2976>

“This webpage features fundamentals of motor control system from the different electrical components used to the functions of motor control systems and components.”

[Retrieved October 1, 2015]

❖ Control Panel Building

<https://www.youtube.com/watch?v=3zOIn5hNsQQ>

“This YouTube video shows an example of how to assemble an electrical control panel.”

[Retrieved October 1, 2015]

❖ Waste Management

https://en.wikipedia.org/wiki/Waste_management

“This webpage defines the principle of waste management”

Date retrieved October 1, 2015

❖ Concept of Accuracy & Precision

http://www.antarcticglaciers.org/wp-content/uploads/2013/11/precision_accuracy.png

“This webpage explains the concept of accuracy and precision”

Date retrieved October 1, 2015

❖ ICC Mark

http://www.bps.dti.gov.ph/index.php?option=com_content&view=article&id=300:ps-or-icc-mark&catid=72:notice-and-announcements

“This webpage pertains about the quality of the product and how to spot fake ICC sticker.”

Date retrieved October 1, 2015

❖ REPUBLIC ACT 6969

<http://www.pctc.gov.ph/initiatv/RepAct6969.htm>

“This webpage defines and explain the Act to Control Toxic Substances and Hazardous.”

Date retrieved October 1, 2015

INTERNET RESOURCES

Forklift NC II

Core Competencies

- Perform pre- and post-operation procedures for lifting equipment
- Perform basic preventive maintenance servicing for lifting equipment
- Perform productive operation for forklift

Masonry NC II

Core Competencies

- Prepare masonry materials
- Perform basic masonry works
- Lay brick/block for structure
- Plaster wall surface
- Install pre-cast balusters and handrail

Masonry NC III

Core Competencies

- Prepare masonry materials
- Perform basic masonry work
- Lay bricks / blocks for structure
- Plaster concrete / masonry surface
- Install pre-cast baluster and handrail
- Apply special cement finishes to concrete and masonry surface
- Repair defective concrete and masonry surface

Plumbing NC I

Core Competencies

- Prepare pipes for installation
- Make piping joints and connections
- Perform minor construction works

Plumbing NC II

Core Competencies

- Prepare pipes for installation
- Make piping joints and connections

❖ Forklift safety guide

http://www.fieldid.com/l/forklift-safety?utm_source=bing&utm_medium=cpc&utm_content=textad&utm_campaign=inspections&pi_campaign_id=10223

"It's a searchable links of learning resource materials provides guidelines, policies on safety and health standards, ergonomics on the workplace for trailer and dock."

[Retrieved June 24, 2009]

❖ Complete construction masonry and concrete

http://books.google.com.ph/books/about/Masonry_and_concrete.html?id=ci3zc5S5jBAC&redir_esc=y

"This is a series of construction learning resource materials provides insights into installation, construction, storage and cleaning techniques" It is more on decision making and construction performance."

[Retrieved July 08, 2009]

❖ 2009 national plumbing and HVAC estimator w/ cd

<http://www.amazon.com/National-Plumbing-HVAC-Estimator-CDROM/dp/1572182830>

"This webpage contains 459 pages of learning resource materials, soft bound with CD and with video guide."

[Retrieved July 08, 2009]

❖ Basic plumbing repair

<http://www.diynetwork.com/plumbing/index.html>

"This is an illustrated learning resource materials that explains step-by-step procedures and techniques of basic plumbing repair."

[Retrieved July 08, 2009]

❖ Building codes and standards Plumbing Code 2006

<http://www.housing.gov.bc.ca/building/code/>

"This webpage provides learning resource materials and references

INTERNET RESOURCES

- Perform minor construction works
- Perform single unit plumbing installation and assemblies
- Perform plumbing repair and maintenance works
- Conduct pipe leak testing

Plumbing NC III

Core Competencies

- Perform complex and multi-story plumbing installation and assemblies
- Install hot and potable chilled water piping system
- Draft plumbing design

Rigging NC I

Core Competencies

- Inspect rigging gears
- Install rigging gears
- Assist crane operator

which governs & regulates quality of materials, designs, erection, installation, alteration, repair, replacement and maintenance of plumbing systems."

[Retrieved July 08, 2009]

❖ International plumbing code 2007

<http://www.constructionbook.com/2003-international-plumbing-code/>

"This webpage contains reference of learning resource materials that provides regulation, provision of fixtures, piping, fitting devices and design."

[Retrieved July 08, 2009]

❖ Modern plumbing: instructors resource

<http://www.amazon.com/Modern-Plumbing-Instructors-Resource-Binder/dp/1590704037>

"This webpage contains instructor's resource material that provides a guide and basic instructions on handling various hand tools."

[Retrieved July 08, 2009]

❖ Pipe fitter's math guide (Hamilton)

<http://www.amazon.com/Pipe-Fitters-Guide-Johnny-Hamilton/dp/0962419702>

"This webpage contains learning resource materials and catalogue on pipefitting".

[Retrieved July 09, 2009]

❖ Pipeline rule of thumb

<http://www.amazon.com/Pipeline-Rules-Handbook-Eighth-Edition/dp/0123876931>

"This webpage contains learning resource material with 689 pages and copyrighted 2005."

[Retrieved July 09, 2009]

❖ Piping calculations manual

<http://www.amazon.com/Piping-Calculations-Manual-McGraw-Hill/dp/0071440909>

"This webpage contains ten (10) chapters of learning resource material, 345 pages and copyrighted 2005."

[Retrieved July 09, 2009]

❖ Plumbing improvements and repairs

<http://www.amazon.com/Plumbing-Repair-Improvement-Updated-Series/dp/0783538669>

"This is a series of step by step guide that teaches basic plumbing projects, techniques and plumbing/pipe repairs."

[Retrieved July 08, 2009]

❖ Handbook of rigging for construction and industrial operations

<http://www.amazon.com/Handbook-Rigging-Construction-Industrial-Operations/dp/0070539413>

"This webpage contains learning resource materials that provides guides how to select and use rigging tools-fiber and wire strand rope, slings and hitches, rigging accessories-jacks, rollers and skills plus safety belts, lifelines and nets."

[Retrieved July 07, 2009]