



Board/Authority Authorised Course Commercial Driver Training Program – Level 3A

School District/Independent School Authority Name	Kamloops/Thompson
School District/Independent School Authority Number	#73
Developed by	Ken Rife
Date Developed	December 2013
School Name	NorKam Secondary
Principal's Name (District)	Sheryl Lindquist
Superintendent Approval Date (for School Districts only)	
Superintendent Signature (for School Districts only)	
Board/Authority Approval Date	
Board/Authority Chair Signature	
Course Name	Commercial Driver Training Program – Level 3A
Grade Level of Course	11
Number of Course Credits	4
Number of Hours of Instruction	120
Prerequisite(s)	Level 1



Special Training

Facilities or Equipment Required:

- Truck simulator
- Training aids
- Air brake training aids
- Shop
- Work gloves
- Safety vests
- Hard hats
- Safety glasses
- Applicable tools: wrenches, pressure gauges, rubber mallets

Synopsis

Students will learn the basics of the operation, safety, driving techniques, and other related components of the professional driver occupation. Students will also learn about the profession and how to obtain a professional class license. This course will promote independent thinking and problem solving.

Rationale

Not only is being a professional truck driver a great profession but there is a massive demand for this highly skilled occupation. A 2013 Conference Board of Canada report concludes that the age of the average truck drivers has increased more rapidly than the age of the average worker due to fewer young workers entering the industry. At the same time, demand for trucking services is projected to increase. By 2020, the gap between supply and demand of drivers is projected to be between 25,000 and 30,000 nationwide. In BC, the gap is anticipated to be between 2,200 and 4,500 depending on the strength of the economy. Because trucking plays an integral service role for so many industries, insufficient supply of truck drivers could have significant negative economic implications for the Canadian economy.

Unit/Topic	Title	Time
Unit 1	Basic Driving Skills	70 Hours
Unit 2	Industrial Roads	15 Hours
Unit 3	Signs, Signals and Road Markings	15 Hours
Unit 4	Fuel Efficient Driving	20 Hours
	Total Hours	120



Unit 1 – Basic Driving Techniques

Objective: Students will learn basic driving skills relating to operating a commercial vehicle.

Curriculum Organizer:

It is expected that students will:

- Review basic skills from Levels 1 and 2
- Learn vehicle safety checks
- Understand how to respond to acts of nature

Prescribed Learning Outcomes

It is expected students will:

1. Demonstrate heavy vehicle braking
2. Demonstrate maneuvering the truck in different situations
3. Demonstrate appropriate use of mirrors
4. Demonstrate appropriate lane use
5. Demonstrate passing techniques
6. Learn vehicle safety including:
 - Tire pressure
 - Tire wear
 - Tire condition
 - Tire problems
 - Disc wheel problems
 - Cast spoke wheel problems
 - Braking systems
 - Flashing lights
 - Disabled vehicles
7. Be prepared for acts of nature including:
 - Animals on the road
 - Weather conditions
 - Night driving

Unit 2 – Driving on Industrial Roads

Objective: Students will learn what an industrial road is and the special requirements and safety considerations for driving on them.

Curriculum Organizer:

It is expected that students will learn:

- What determines an industrial road
- The requirements for inspecting your vehicle for industrial use
- The special brake requirements for industrial roads
- The special safety considerations for driving on an industrial road



- The right-of-way rules on industrial roads
- How to obtain an industrial air brake endorsement

Prescribed Learning Outcomes:

It is expected students will learn:

1. To be able to define the types of industrial roads.
2. Specific techniques which include driving on industrial roads including speed signs, right-of-way, warning, railway crossings, safety tips, and highway crossing permits.

Unit 3 – Signs, Signals, and Road Markings

Objective: Students will learn the signs, signals and road markings that keep traffic organized and flowing smoothly.

Curriculum Organizer:

It is expected that students will learn:

- The various shapes, and colors used to identify different types of signs
- How to identify the signs, signals and road markings that may be seen on the roads

Prescribed Learning Outcomes

It is expected Students will:

1. Learn the road signs including
 - Regulatory signs
 - School, playground and crosswalk signs
 - Lane use signs
 - Turn control signs
 - Parking signs
 - Reserved lane signs
 - Warning signs
 - Objective markers
 - Construction signs
 - Information and destination signs
 - Railway signs
2. Learn the signals including:
 - Lane control and traffic lights
3. Learn the road markings:
 - Yellow lines
 - White lines
 - Reserved lane markings
 - All other markings



Unit 4 – Fuel Efficient Driving

Objective: Students will learn fuel efficient driving techniques for commercial vehicles.

Curriculum Organizer:

It is expected that students will learn:

- Fuel efficient driving techniques to drive smart and save money
- Vehicle maintenance practices that help conserve fuel
- Commercial vehicle components and features that help make a vehicle more fuel efficient

Prescribed Learning Outcomes:

It is expected Students will:

1. Demonstrate smart driving practices including:
 - Planning and preparation for your trip
 - Proper vehicle maintenance and inspections
 - Using proper techniques to start your vehicle,
 - Proper driving techniques
 - Reducing idle time
2. Learn fuel efficient features of a truck including:
 - Aerodynamic feature
 - Tire choice
 - Accessories

Instructional Component

- Direct Instructions
- Group Instructions
- Group work
- Modelling
- Inquiry
- Guest speakers
- Filed work
- Collaborative learning
- Practical training
- Analysis

Assessment Component

The assessment component will be based on performance standards from each unit. The emphasis will be on formative assessment with summative assessment to be weighted less.

Basic Driving Skills - 50%

Air Brake Adjustments -20%

Industrial Roads - 10%

Signs, Signals and Road Markings - 20%



Assessment Tools

- Quizzes
- Tests
- Self-assessment and evaluation
- Peer assessment and evaluation
- Projects
- Practical evaluations

Learning Resources:

1. Quebec Transportation Association (QTA)-Commercial Transport Curriculum
2. QTA Vocational Training Program-Trucking
3. QTA Practice Portfolio 2013-2014-Trucking
4. Canadian Trucking Human Resources Council (CTHRC) National Occupational Standards-Professional Driver (2003)
5. ICBC Driving Commercial Vehicles –A guide for professional drivers-
6. Canadian Trucking Human Resources Council (CTHRC) Professional Driver Occupational Standards-Entry level professional driver
7. Industry Training Authority (ITA)/BCTA Professional Truck Driver Program Outline
8. HRSDC Truck Driver Essential Skill profile description
9. Trucking in BC: An illustrated History by Daniel Francis
10. Get your career on the road-DVD
11. The BC Trucking Industry: Proudly Serving BC...and You-BCTA
12. Curbing Distracted Driving-Teens and Trucks DVD
13. Defeating Distracted Driving DVD
14. Third Choice-DVD produced by the BC Business Council (BCBC)-Book and interactive 4-hour DVD that examines non-university careers. Provides information on more than 100 occupations. Include information on the Transportation industry and specifically about the trucking industry.
15. Incident Investigations by the Trucking Safety Council of BC.
16. Websites
 - <http://www.truckingcareers.ca/en>
 - <http://www.transpocity.ca/>
 - <http://www.getyourcareerontheroad.com/>
 - <http://www.workbc.ca/Careers/Career-Profiles-Results.aspx?repeatSearch=true>