



# Board/Authority Authorised Course Commercial Driver Training Program – Level 2B

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 2B
Grade Level of Course	11
Number of Course Credits	4
Number of Hours of Instruction	120
Prerequisite(s)	Commercial Driver Training Program – Level 1



## Special Training

Facilities or Equipment Required:

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

## Course 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 career 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	30 Hours
Unit 2	Air Brake Adjustments	10 Hours
Unit 3	Driving with a Trailer	50 Hours
Unit 4	Regulations	30 Hours
	Total Hours	120



## Unit 1 – Basic Driving Skills

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

### Curriculum Organizer:

It is expected that students will learn:

- Steering and handling
- Sharing the road
- Vehicle layout
- Passing and being passed

### Prescribed Learning Outcomes

It is expected that students will:

1. Demonstrate appropriate steering and handling techniques
2. Learn the importance of sharing the road including:
  - Appropriate following distances
  - Driving faster than the flow
  - Driving slower than the flow
  - Tailgating and tailgaters
  - Driving in construction zones
  - Driving in danger zones
3. Learn about the vehicle layout including:
  - Turning radius implications
  - Wheelbase implications
4. Demonstrate appropriate passing techniques.
5. Demonstrate what to do when getting passed.

## Unit 2 – Air Brake Adjustments

**Objective:** Students will learn how to properly adjust different braking systems.

### Curriculum Organizer:

It is expected that students will learn:

- Why air brake adjustments need to be regularly checked.
- How to measure air brake chamber pushrod travel and how to adjust the brakes.

### Prescribed Learning Outcomes

It is expected that students will:

1. Demonstrate how to check slack adjusters.
2. Demonstrate their knowledge of s-cam brakes.
3. Understand what tools are necessary to measure and adjust slack adjusters.
4. Be able to differentiate between manual and automatic slack adjusters and describe how they both work.



### **Unit 3 – Driving With A Trailer**

**Objective:** Students will learn about driving with a trailer, loading, and reporting to weigh scale staff.

**Curriculum Organizer:**

It is expected that students will learn:

- The safety considerations and basic techniques for driving with a trailer.
- The various devices for securing loads and describe how to use them to safely secure a load.
- The steps for coupling and uncoupling a tractor and trailer.
- The two different types of weigh scales and when a driver is required to report to weigh scale staff.

**Prescribed Learning Outcomes:**

It is expected that students will:

1. Demonstrate proper backing up skills.
2. Learn how to tow single and double trailers.
3. Demonstrate how to park with a trailer.
4. Demonstrate coupling and uncoupling different types of connections.
5. Demonstrate how to secure cargo according to securement requirements.
6. Learn the different types of cargo and the specific methods of securing each.
7. Learn the specifics and handling procedures of dangerous goods.
8. Demonstrate when to report to weigh scales

### **Unit 4 – Regulations**

**Objective:** Students will learn about locating information on regulations and solving various problems related to implementing regulations that they may come across as truck drivers.

**Curriculum Organizer:**

**It is expected that students will learn:**

- Information resources to access regulations.
- Canadian Regulations.
- Occupational Health and Safety.
- Ministry of Transportation & Infrastructure

**Prescribed Learning Outcomes:**

It is expected Students will:

1. Become familiar with information sources including:
  - The internet.
  - Regulatory documents.
  - Transportation documents.
  - Bill of lading.
  - Shipping labels.



- Waybills.
- Customs.
- 2. Be familiar with Canadian regulations such as:
  - Work standards
  - Occupational health and safety
  - Ministry of Transportation and Infrastructure
  - National Safety Code
  - Signage
  - Driving hours
  - Load securement standards
  - Vehicle load size and standards
  - Transportation of hazardous materials

### **Instructional Component**

- Direct instruction
- Group Instructions
- Group work
- Modeling
- Inquiry
- Guest Speakers
- Field 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 - 30%

Air Brake Adjustments- 10%

Driving with a Trailer - 40%

Regulations - 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>