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# SCHOOL TRAVEL PLAN

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## Maple Creek Middle School



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## School Travel Planning in the City of Coquitlam

The purpose of this report is to 1) outline the need for sustainable active school transportation at Maple Creek Middle School; 2) determine the barriers to active transportation, which is defined as walking, cycling and the use of transit for trips to and from school; and 3) develop a School Travel Plan, which includes an Action Plan describing infrastructure improvements as well as education and encouragement measures aimed at decreasing the number of car trips and increasing the number students using active modes of transportation. Baseline and follow-up surveys as well as a school walkabout were conducted in order to learn the transportation habits of, and to assess barriers and concerns for, Maple Creek Middle School and its community.

### Background

The City of Coquitlam initiated a partnership with TransLink and co-funded the TravelSmart program in 2014 to promote sustainable and active transportation.

As part of the 2014-2018 capital budget deliberations, Council initiated a multi-year program called Middle School Walk-Bike Ability. The goal of the program was the improvement of the walking and cycling environment around middle schools in order to facilitate and encourage active transportation for Coquitlam students. The promotion of active and sustainable transportation is a key goal of Coquitlam's Strategic Transportation Plan as approved by Council.

### Scale

The scale of the program targets eight Middle Schools. Maple Creek Middle School began the School Travel Planning process in September 2015 and completed the process in November 2016.

There are two phases to the program:

#### **Phase 1:**

Part 1: Needs Assessment - engaging students, parents and school administrators in the process of developing a School Travel Plan - Action Plan to help identify potential barriers to walking, cycling and the use of transit to and from the schools, leading to

the identification of potential packages of infrastructure improvements.

Part 2: Outreach – education and promotion for students, teachers, school administrators and parents about the different travel options for getting to and from school.

**Phase 2:**

In 2016, representatives from the City of Coquitlam, School District, parents, TransLink’s TravelSmart program, HASTe, ICBC, Fraser Health, and HUB Cycling participated in a series of walkabouts with the purpose of identifying key travel issues and developing an action plan that includes infrastructure and traffic operational improvements.

## HASTe

[www.hastebc.org](http://www.hastebc.org)

## National Active & Safe Routes to School

[www.saferoutestoschool.ca/school-travel-planning](http://www.saferoutestoschool.ca/school-travel-planning)

## TransLink/TravelSmart

[www.travelsmart.ca](http://www.travelsmart.ca)

## City of Coquitlam

[www.coquitlam.ca/city-services/roads-and-transportation/overview.aspx](http://www.coquitlam.ca/city-services/roads-and-transportation/overview.aspx)

## School Travel Planning

School Travel Planning (STP) is a community-based planning process that has been used with success to date in communities across Canada to increase the number of families choosing active transportation modes to get to and from school. School Travel Planning uses a collaborative approach, working to involve all relevant stakeholders and enable communities to tackle the root causes of their school's transportation challenges and take action on realistic and attainable solutions to address these barriers.

School Travel Planning combines transportation demand management principles with school engagement activities in order to encourage more active and sustainable school travel. The process is designed to address both attitudinal and infrastructural barriers in an effort to improve the health and well-being of individuals, communities, and the environment while decreasing traffic congestion around schools.

Key benefits of School Travel Planning are:

- Improved health and fitness of students
- Reduction in traffic congestion
- Improved traffic safety
- Reduction in pollution
- Improved air quality

HASTe, the Hub for Active School travel, provides professional services for the implementation of the STP process for the City of Coquitlam. HASTe has been implementing School Travel Planning since 2009, and is part of the Canadian Active & Safe Routes to School Partnership.

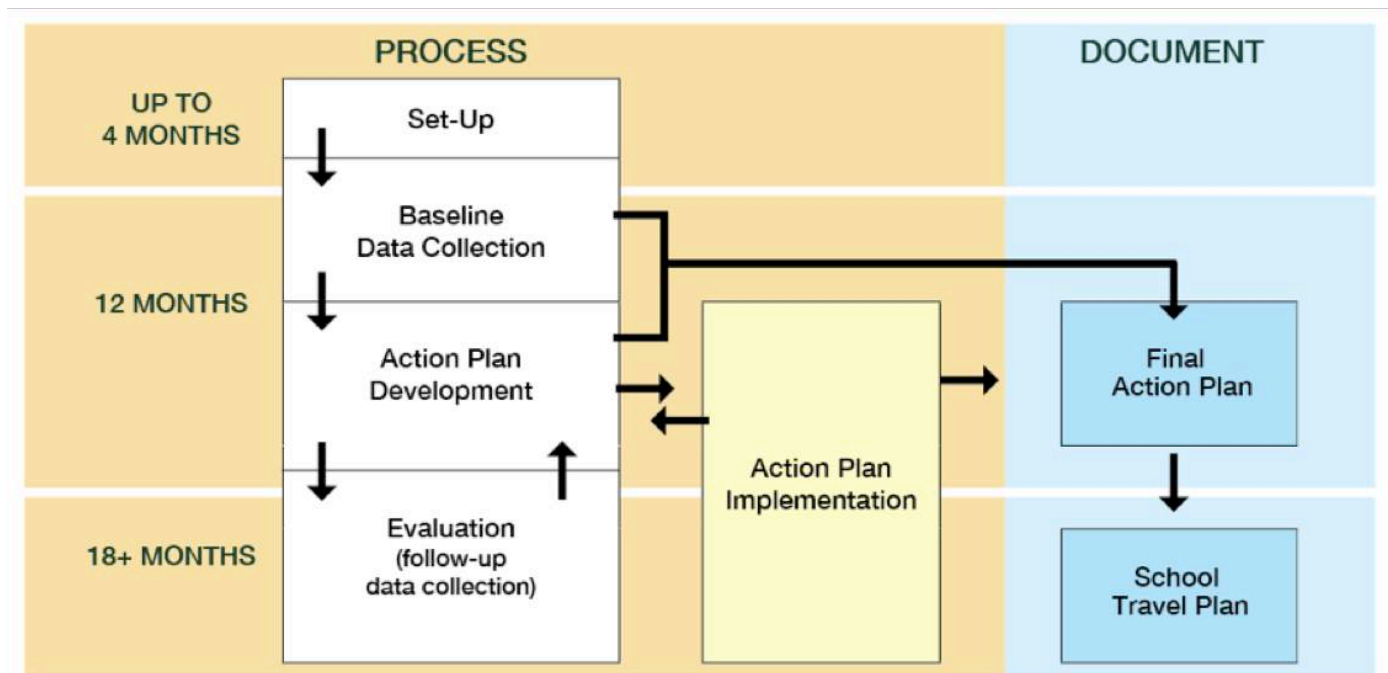
## About the School Travel Plan

The School Travel Plan is the final delivery component of the School Travel Planning process. It is a living document belonging to the school. It can be revisited regularly in order to update the status of Action Plan items and/or incorporate future evaluation findings.

## Recommendations

Recommendations for increasing participation in sustainable active transportation include engaging students, parents and school administrators in the process of developing a School Travel Plan and Action Plan; including the identification of potential infrastructure improvements; and educating students, teachers, school administrators and parents about the different options for getting to and from school.

### ▼ School Travel Planning Process



## About Maple Creek Middle School

Maple Creek Middle School (hereinafter Maple Creek) is part of School District 43 and is located at 3700 Hastings St. within Coquitlam's municipal boundary. Accessing the main entrance requires travelling through Port Coquitlam's Woodland Acres neighbourhood. The school and surrounding area has a WalkScore of 67/100, and a bike score of 85/100. The transit score was not generated however, bus stops are within walking distance of the school, as is the new Lincoln Station as part of the Skytrain Evergreen Extension (opened December 2016). Each score is a measure of neighbourhood accessibility, and is often an indicator of community health and well-being (walkscore.com).

Maple Creek serves grades 6-8 and has a student population of 577 (Fall 2016). The catchment area is comprised of a mix of single-family homes with newer townhouses and nearby high rise towers. Coquitlam River Park, directly east of the school, includes a number of trails that access the school and are popular with students. There are 41 staff parking spaces, two handicapped spaces. Bike parking, which includes three bike racks found within a fenced area is located at the back entrance. The catchment boundary is outlined in the Best Routes to School Map, which is found in the Implementation section.

Wildlife is often seen in the area and has been reported as a safety concern by families who are walking or cycling to school. Information sent home to parents educates families about wildlife awareness and how to respond to potential encounters.

Maple Creek is located at the border between the City of Coquitlam and the City of Port Coquitlam. Many of the traffic-related school issues that were highlighted during the STP process have been allocated to the appropriate municipality as outlined in the Action Plan, which is found in Appendix A.



## Data Collection Methodology

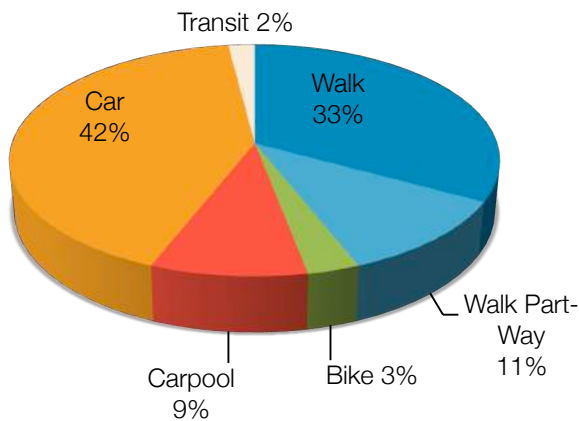
School travel data was collected using a variety of methods:

- Student hands-up baseline surveys
- Student hands-up follow-up surveys
- Family take-home baseline surveys
- Family take-home follow-up surveys
- School travel walkabout

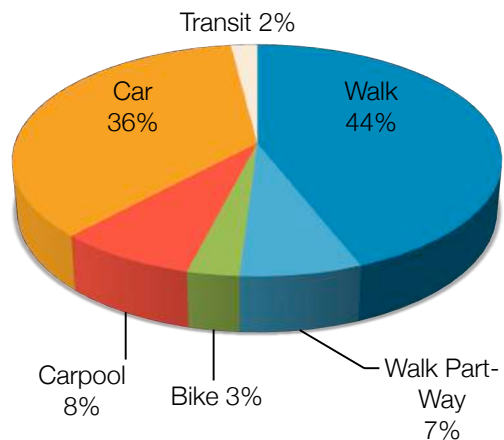
## Hands-Up Baseline Data Collection

Baseline hands-up surveys and family take-home surveys were conducted in November 2015. Eighteen divisions from grades 6-8 participated in the hands-up survey process. Classroom teachers recorded travel mode daily over a one-week period. Results of this survey can be found below.

## Hands-Up Survey Results



▲ Travel mode TO school (Nov. 2015)



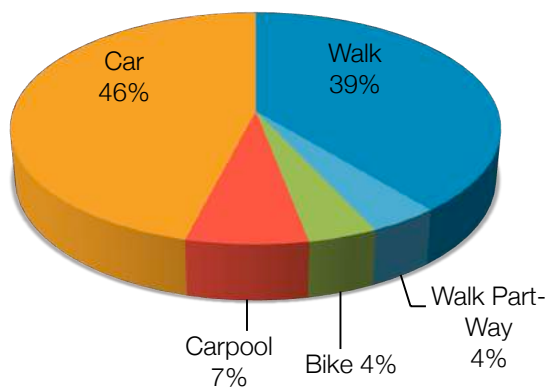
▲ Travel mode FROM school (Nov. 2015)

### Family Survey Baseline Data Collection

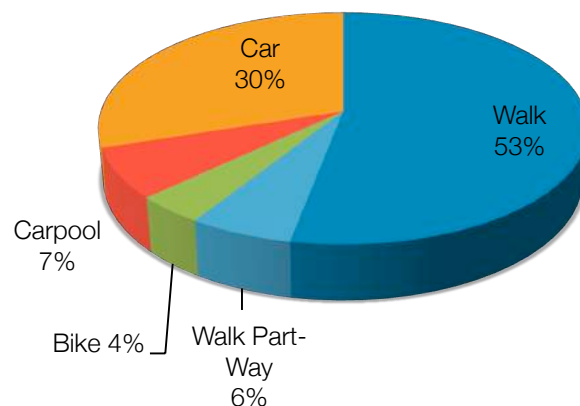
In November 2015, students were sent home with a family take-home survey. Families were to complete and return the survey to school within one week. For a copy of the baseline family survey, please see Appendix A.

At Maple Creek, 167 out of 580 families (29%) completed the survey. 94% of these families supported School Travel Planning efforts at the school. Other notable findings are presented below.

### Family Take-Home Survey Results



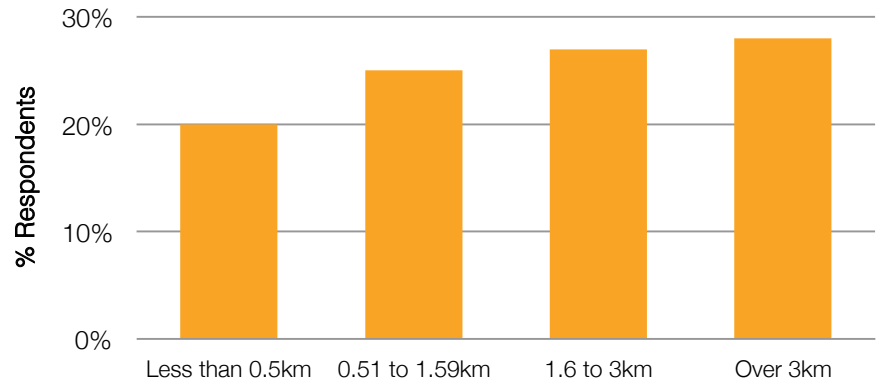
▲ Travel mode TO school (Nov. 2015)



▲ Travel mode FROM school (Nov. 2015)

### Distance to School

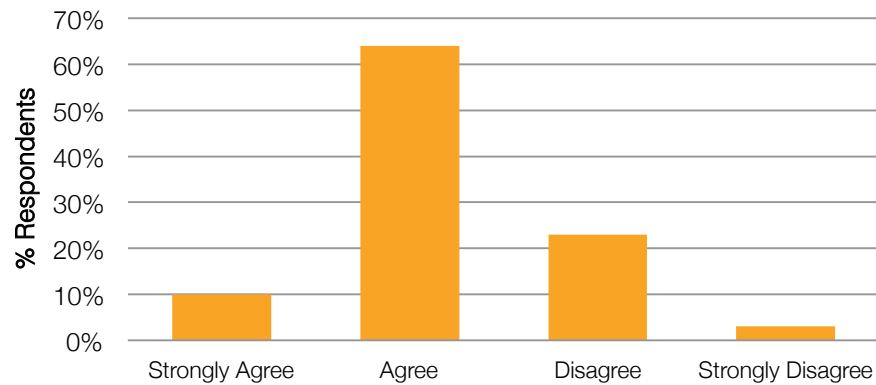
55% of families live farther than 1.6km from school. 26% of families who live within 1.6km of the school are driving.



▲ **How far away do you live from school?**

### Walking & Cycling Safety

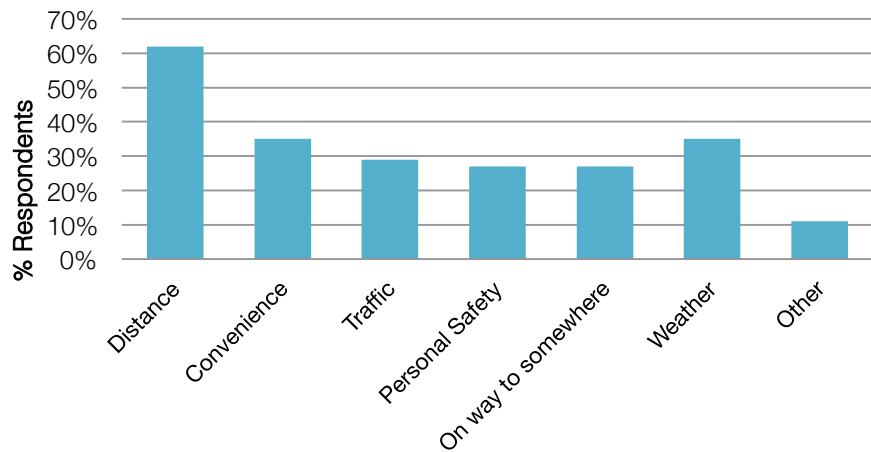
74% of families either strongly agree or agree that their neighbourhood is safe for children to walk or cycle to school. 26% disagree or strongly disagree.



▲ **Our neighbourhood is safe for children?**

### Reasons for Driving

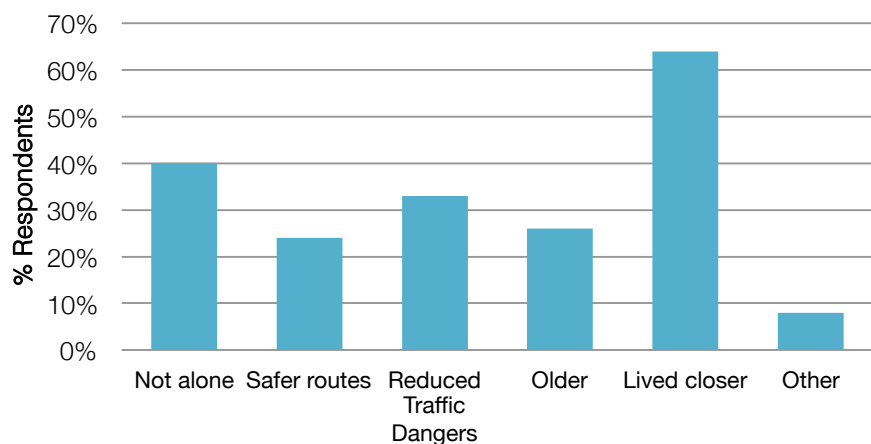
When asked why their children were usually driven to school, respondents indicated “distance” (62%), “convenience” (35%), and “weather” (34%) as the top three reasons.



### ▲ Reasons for driving to child to school

### Conditions for Walking

Families who drove their kids to school suggested that they would allow their child to walk to school if, “they lived closer” (64%), “they did not walk alone” (40%), “there were reduced traffic dangers” (33%).



### ▲ I would allow my child to walk to school if...

### Conditions for Cycling

Families who drove their kids to school suggested that they would allow their child to cycle to school if “they lived closer” (47%), “there were safer routes” (40%), and “there were reduced traffic dangers” (36%).



**▲ I would allow my child to cycle to school if...**

### Walkabout Baseline Data Collection

In 2016, key stakeholders from the community participated in a series of walkabouts, with the purpose of identifying issues and developing an action plan. These stakeholders included School District 43, ICBC, TransLink/TravelSmart, Fraser Health, HUB Cycling, City of Coquitlam staff, City of Port Coquitlam staff, Maple Creek parents and students, and the school’s principal.

The Maple Creek school walkabout took place on April 11<sup>th</sup>, 2016. Observations made on the walkabout informed the Travel Challenges section, the Best Routes to School Map and the Action Plan (Appendix A). For the walkabout handout, see Appendix B.

## Travel Challenges Summary & Walkabout Areas of Concern

This section highlights the main travel challenges as identified by Maple Creek families through the take-home baseline surveys, school walkabouts and at PAC meeting consultations. Due to its location within the neighbourhood and the existing street configuration, Maple Creek experiences on going traffic-related challenges. The Action Plan found in Appendix A provides a list of all upcoming or completed actions taken to address many of these issues.

### 1.

#### Trail access to the school (located in Coquitlam)

Maple Creek is located in a forested area and is adjacent to the Coquitlam River Park. Students use the park and the surrounding trails to access the school. As reported in family take-home surveys, parents have concerns about the safety of these trails. Wildlife such as bears, coyotes, and wolves have been spotted in the area, and are perceived as a barrier to walking or cycling to school.

School administration provides information about wildlife encounters and safety to families via newsletters. The City of Coquitlam has also included similar instruction, found within the Best Routes to School map pamphlet, regarding usage of the Coquitlam River trails.

As reported by families, the trail that connects to Linclon Ave. raises the most concerns. The City of Coquitlam has addressed a number of the reported issues: they are building a set of stairs at the steep section of the trail and installing brighter lights to improve visibility at night. Once complete, these improvements should make the trail more accessible to everyone.



▲ The trail connecting the with Lincoln Ave. with the school



▲ Ozada Ave. looking north from the roundabout adjacent to school property

## 2.

### Ozada Ave. and the route to school (located in Coquitlam)

Ozada Ave. is a popular route for families traveling north of the school. According to family take-home surveys, there are personal safety concerns to do with wildlife and the lack of natural surveillance along certain stretches of the road. Families are also concerned about vehicle speeds along Ozada Ave.

Observations during the school walkabout confirmed most of these concerns. Participants were able to talk with students on their way home from school, who did perceive the road to be unsafe, particularly during the darker months of the year. The City of Coquitlam has addressed the vehicle speed issue and will be adding a

“school zone ahead” sign on Ozada Ave. for drivers approaching the school.

The roundabout at the south end of Ozada Ave. has become the school’s official park n’ walk location. For families who need to drive, the park n’ walk has helped alleviate congestion at the front of the school, as reported by staff. This location is highlighted on the Best Routes to School map and is supported by the school and the City of Coquitlam. Ongoing messaging to families about the park n’ walk location will be required each semester, particularly in September, as many families are new to the school and unfamiliar with travel options.





▲ Intersection at Hastings St. & Lougheed Hwy.

### 3.

#### Hastings St. (located in Port Coquitlam)

Hastings St. is one of the most popular routes to school for students walking and cycling. With additional traffic generated by nearby Westwood Elementary, the street receives a significant amount of school-related traffic in the morning and afternoon. According to family take-home surveys the intersection at Patricia Ave. is a concern as drivers tend to disobey the four-way stop.

The intersection at Hastings St. and Lougheed Hwy. was also reported as a safety issue for families walking and cycling to school. Lougheed Hwy. is a major arterial road with some of the highest reported vehicle traffic in the Tri-Cities, according to City of Coquitlam traffic data. It is also a trucking route that attracts a significant number of large moving vehicles.

Currently the intersection does not provide a suitable crossing for people of all ages and abilities.

Pedestrians must cross six lanes of traffic and the allowable amount of time to do so seems insufficient. These items fall within the responsibility of the City of Port Coquitlam, and this has been noted in the Action Plan found in Appendix A.

During the post-walkabout meeting it was suggested that there be a park n' walk option south of the school. Either Hastings St. south of Patricia Ave., or Patricia Ave., itself would serve as feasible locations.

## School Travel Planning Action Plan

### Traffic Operations Improvements

The City of Coquitlam engineering staff reviewed the school walkabout report, cross-referencing its findings with existing studies, programs and projects. The following is a list of the traffic operational improvements by the City of Coquitlam that supplement those improvements made as part of the Middle School Walk-Bike Ability program. These improvements to the pedestrian network are intended to promote sustainable and active transportation.

#### Ozada Ave. (between Tahsis Ave. and school property)

- **Complete.** The City of Coquitlam did not find any encroachment of vegetation on the sidewalk. Hence, no action is required.
- **Complete.** The City of Coquitlam has installed curb letdowns at the northwest and northeast corners of the Ozada Ave. and Tahsis Ave. intersection.
- **Complete.** The City of Coquitlam has installed a "school zone ahead" sign for southbound drivers near the corner of Tahsis Ave. and Ozada Ave.

#### Trail Accessibility (between Lincoln Ave. and school property)

- **Complete.** The City of Coquitlam has replaced the existing streetlights along the trail with brighter bulbs.
- **Pending.** The City of Coquitlam is to review the feasibility of building a set of stairs along the steep section of the trail (2017).
- **Complete.** The City of Coquitlam's Roads Department maintains this pathway, and during their site visit they did not find any obstructions. Hence, no action is required.

#### Lincoln Ave. and Pipeline Rd.

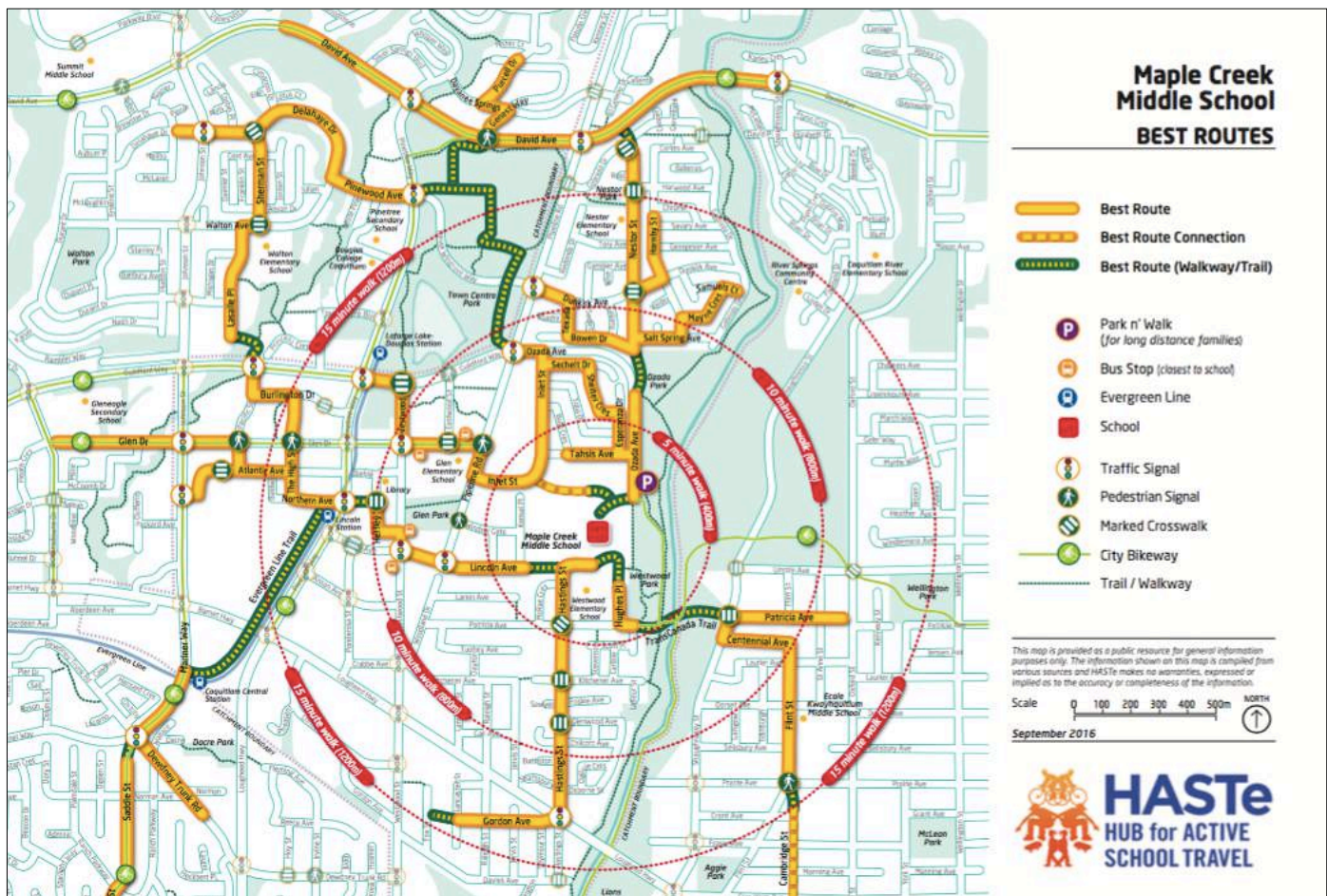
- **Complete.** There is a conflict between pedestrians using the crosswalk and drivers turning left from both streets. The City of Coquitlam modified the signal timings at this intersection in early 2016 and will continue to monitor them.

## Education & Engagement

### Best Routes to School Map

A Best Routes to School Map was developed from baseline family take-home surveys and information collected on the walkabout as well as in consultation with the PAC. Copies of the map will be distributed to families in Spring 2017, and will also be accessible online through the school's website.

#### ▼ Maple Creek Middle School - Best Routes to School Map



### Cool Routes to School

As part of the School Travel Planning initiative, the Cool Routes to School Youth Engagement Program worked with nine leadership students from grades 6-8.

- Students learned about the benefits of active transportation.
- Students discussed the role of Cool Routes to School within the larger STP process.
- Students participated in a walkabout of the Maple Creek school neighbourhood.
- Students used maps and online tools to consider their journeys to and from school.
- Students worked collaboratively to create a short film about active transportation, which was presented at the school’s active transportation assembly on May 26<sup>th</sup>, 2016.

The assembly also included guest presentations from Teri Towner (City of Coquitlam City Councillor) and Mariee Devereux (TravelSmart). The assembly was held just prior to the start of Bike to School Week and the promotion paid off, as Maple Creek won in BTSW's Middle School category.



▲ A brainstorming session by the leadership class

▲ Full bike racks during Bike to School Week 2016

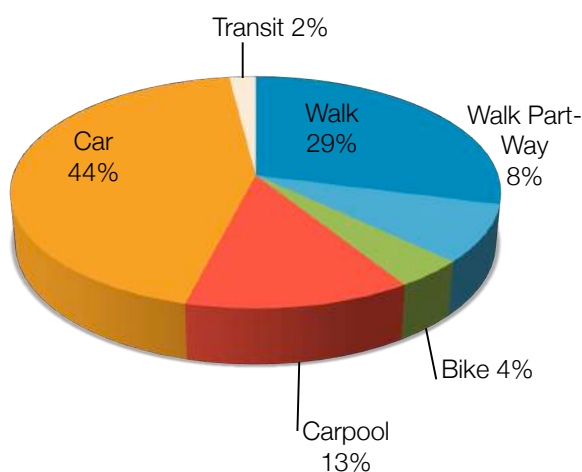
### Hands-Up Follow-Up Data Collection

School travel follow-up data was collected through two methods: student hands-up surveys and family take-home surveys, both of which were collected approximately one year after baseline data collection. Ideally, follow-up data collection occurs after 1.5 to 2 years, allowing interventions and programming developed during the STP process to have a greater impact on travel behaviour at the school.

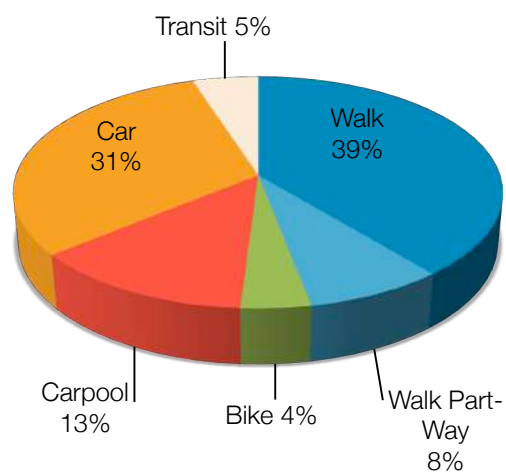
Eighteen divisions from grades 6-8 participated in hands-up surveys during the week of October 31<sup>st</sup>, 2016. Results were compared with baseline data, and indicated a small decrease in the number of students walking and walking part-way with a slight increase in driving rates (see charts below). There was considerable rainfall during both the baseline and follow-up data collection. However, it did rain an additional 10mm during the follow-up collection, which may have had an impact on the final results.

For the after school trip, there was a 5% drop in the number of students walking but a 3% increase in transit use and a 5% increase in carpooling.

### Hands-Up Follow-Up Survey Results

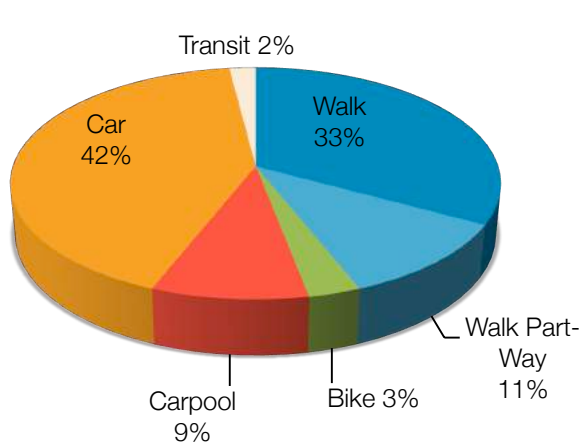


▲ Travel mode TO school (Oct/Nov. 2016)

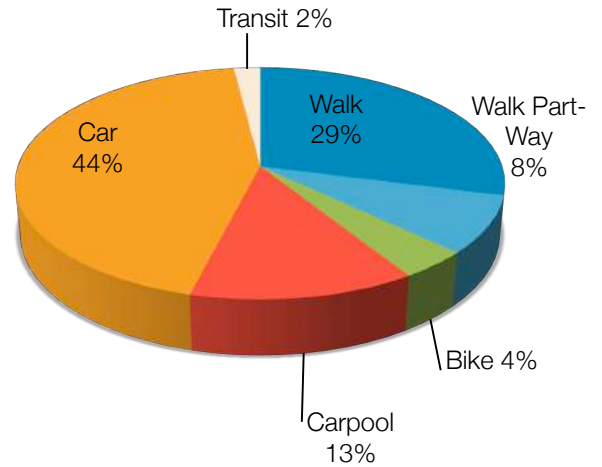


▲ Travel mode FROM school (Oct/Nov. 2016)

Hands-Up Survey Results: Baseline vs. Follow-Up

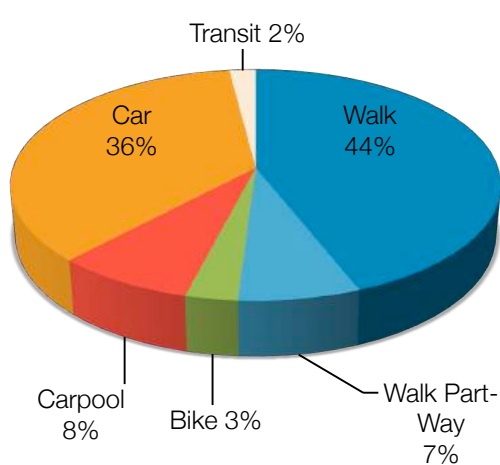


▲ Travel mode TO school (Nov. 2015)

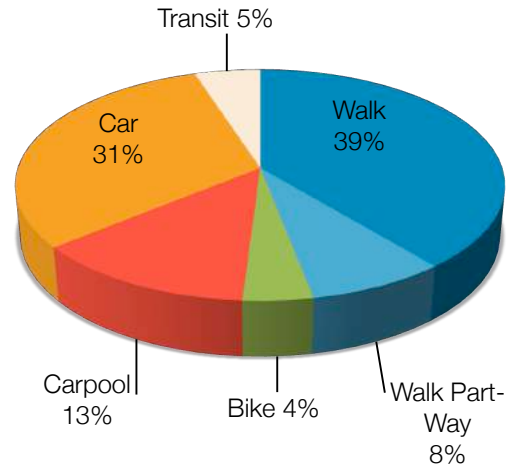


▲ Travel mode TO school (Oct/Nov. 2016)

Hands-Up Survey Results: Baseline vs. Follow-Up



▲ Travel mode FROM school (Nov. 2015)



▲ Travel mode FROM school (Oct/Nov. 2016)

### Family Survey Follow-Up

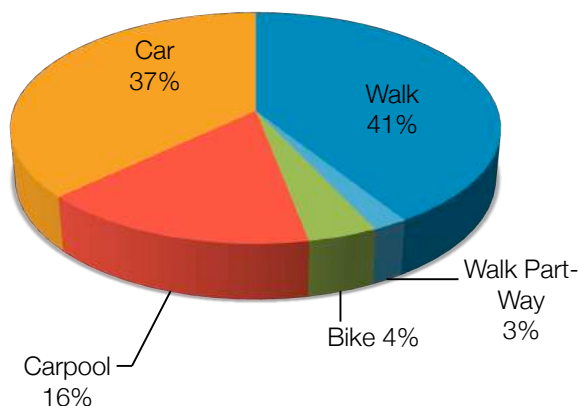
Family take-home surveys were conducted online during the week of October 31<sup>st</sup>, 2016. Families had one week to submit their responses. In total, 96 families (17%) completed the survey. 21% of families indicated that they had filled out the baseline survey in 2015, 48% reported they had not and 31% said they were unsure.

Since School Travel Planning began at Maple Creek:

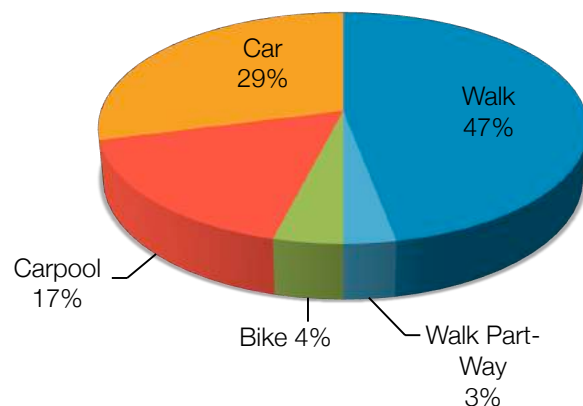
- 87% reported walking more to get to and from school.
- 9% reported taking transit more often.
- 4% reported an increase in cycling.
- Distance remains the number one factor in parents choosing to drive.
- 21% of students travel alone for the school trip whereas 46% travel with a parent or grandparent.

Overall, 95% support on-going School Travel Planning at Maple Creek.

### Family Survey Results: To and From School



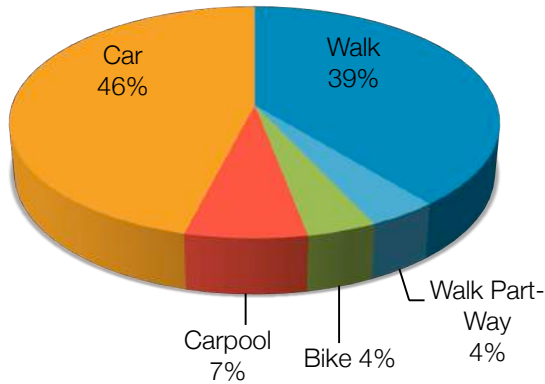
▲ Follow-up family take-home TO school (Oct/Nov. 2016)



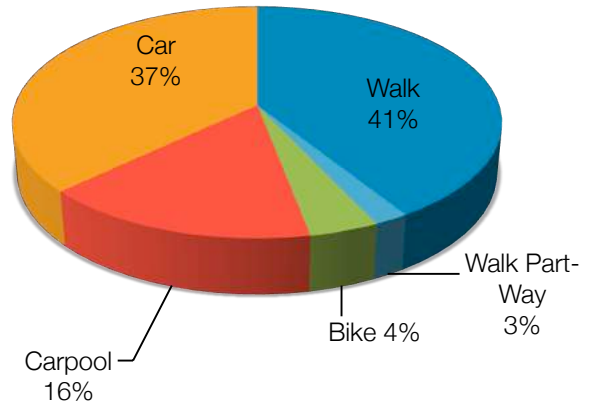
▲ Follow-up family take-home FROM school (Oct/Nov. 2016)



Family Survey Results: Baseline vs. Follow-Up

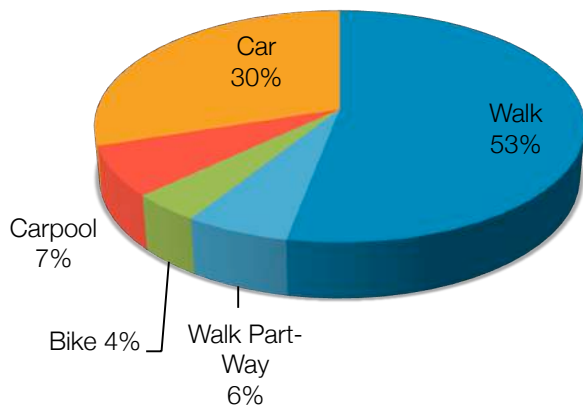


▲ **Baseline family take-home TO school (Nov. 2015)**

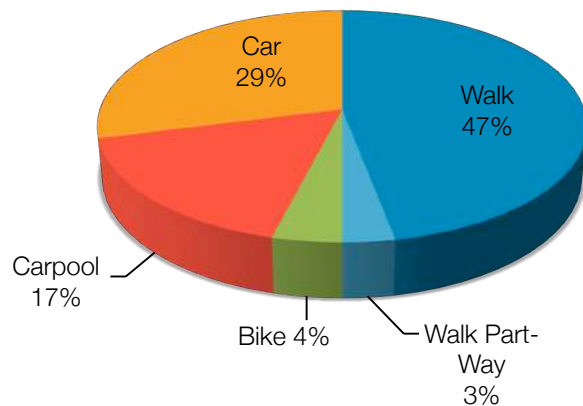


▲ **Follow-up family take-home TO school (Oct/Nov 2016)**

Family Survey Results: Baseline vs. Follow-Up



▲ **Baseline family take-home FROM school (Nov. 2015)**



▲ **Follow-up family take-home FROM school (Oct/Nov. 2016)**

Maple Creek has shown to have a high level of cycling (4%) when compared with that of other middle schools in the STP program, which on average is less than 1%. Over 85% of families surveyed reported the surrounding area being safe for walking and cycling, which is likely a contributing factor in this rate. The school has also been effective in creating attractive bike parking that allows students to securely lock their bikes to racks inside a fenced off area.

Carpooling at Maple Creek is a more common travel option than at other Coquitlam middle schools (15% compared to 10%). This was particularly noticeable in the follow-up surveys that showed an increase of 10% in carpooling. As a result, the rate of single family-occupancy driving decreased by 9% to school and 1% from school.

## Summary of Main Findings

With a clearer understanding of the reasoning behind family travel choices, the targeted programming, activities and interventions can be planned and developed with the best opportunities for effective results. A few of these activities, which have been ranked by parents at Maple Creek, are highlighted in the table below.

Which STP activity was most effective?	
Activity	Importance
1. Infrastructure improvements	32%
2. Bike to School Week	18%
3. Best Routes to School map	15%
4. HUB cycling training	13%
5. Cool Routes to School program (e.g. contests/ incentives, Walking Wednesdays, assembly)	11%

Maple Creek is located in an area surrounded by trees and adjacent to the Coquitlam River Park, which acts as a natural barrier for vehicles and provides access to the school through its trails. The park limits vehicle access to the front of the school and redirects it to other pick-up/drop-off locations in the neighbourhood.

The relatively high rate of carpooling should be complemented by promoting the park n' walk location, at the end of Ozada Dr. (as highlighted in the Best Routes to School map). During the school walkabout it was discussed that additional park n' walk locations be considered south of the school along Hastings St. or Patricia Ave. This would need to be discussed with the City of Port Coquitlam as it falls within their municipal boundary.

Wildlife is a concern, as reported by families, but overall 85% of parents reported the neighbourhood as safe for walking and

cycling for students. Messaging from school administration regarding wildlife safety should be ongoing and encourage families to utilize the park and trails that access the school.

A number of families (28%) reported living beyond 3km from school and “distance” was the top reason as to why they drove. Cycling becomes an attractive option to conquer this distance, and it empowers students to become independent travellers at the same time. Maple Creek showed the highest cycling rate (4%) of any other middle school in Coquitlam as well as an excellent participation rate during Bike to School Week. The school should harness the success of their Bike to School Week (which included a first-place finish in competition with middle schools across BC) and continue promoting cycling as a great option for school travel. A champion in the school community will need to step forward and ensure that the event is well recognized in 2017.

The idea of cycling to school for middle school-aged kids (11-13 years old) is a more feasible option for families than it is at the elementary school level based on our data findings from both age groups. The targeting of cycling instruction (i.e. HUB’s Ride the Road program) at this demographic has had strong support from school administration, parents, and the City and would be a welcome addition to regular school programming in the future.

## School Travel Planning Members

The School Travel Planning process for Maple Creek Middle School 2015/2016 worked with a School Travel Planning School Committee and a School Travel Planning Stakeholder Committee. Key members of each committee are listed below.

### School Committee

- Andrew Graham: Principal
- Rhonda Jones: Vice-Principal

### Parent Advisory Committee

- Linda MacIver, PAC Chair

### Stakeholder Committee

- Devon Ross: School District 43
- Mariee Devereux: TravelSmart, TransLink
- Staff from the City of Coquitlam Transportation Planning, Traffic Operations and Bylaw
- Staff from the City of Port Coquitlam Engineering and Public Works
- Kathleen Nadalin: ICBC
- Scout Gray: HUB Cycling
- Alex Kwan: Fraser Health
- Terry MacDonald: RCMP



## Appendix A

1. Action Plan for Maple Creek Middle School
2. Baseline and Follow-Up Surveys: Hands-Up and Family Take-Home

## Appendix B

1. Maple Creek Walkabout Handout

## Appendix A: Action Plan for Maple Creek Middle School



Action/Initiative	Task	Start Date	End Date	Status
<b>HASTe BC</b>				
<b>School Travel Planning Facilitator Actions</b>				
Baseline Data Collection	Conduct Baseline Family Survey and Classroom Survey.	Nov 2015	Nov 2015	
Walkabout	Conduct a School Community Walkabout with STP Municipal, School and Parent Stakeholders.	Apr 2016	Apr 2016	
PAC Engagement	Attend Spring PAC Meeting. Provide updates based on the school walkabout and request feedback about draft Best Routes to School Maps.	Apr 2016	May 2016	
Vice-Principal Engagement	Work with vice-principal to provide and develop pedestrian and cycling safety resources, contest and prizes for students and parents throughout the year.	Sep 2015	Ongoing	
Complete DRAFT	Complete draft action plan, solicit feedback from	Apr 2016	Jun 2016	

Action/Initiative	Task	Start Date	End Date	Status
Action Plan	school planning committee and steering committee.			
Complete "Best Route to School" Maps	Develop Best Walking and Cycling Route to School Map using community input. To be distributed to families in the Spring or early next Fall.	Apr 2016	May/Sep 2016	
In-class youth education and engagement	Deliver Cool Routes to School program to student leadership group (in-class education and engagement curriculum).	Jan 2016	May 2016	
School Event	Work with Youth Engagement Program, PAC & Principal to host a community event, e.g. Bike to School Week.	Mar 2016	May/Jun 2016	
Collect Follow-up Surveys	Conduct follow-up Family Survey and Classroom Survey.	Nov 2016	Nov 2016	
Report on implementation of STP and initiatives	Oversee the implementation of Action Plan items and track the actual versus planned timing and cost of initiatives.	Apr 2016	Jan 2017	
Analyze and report on survey findings	Enter data, produce result graphs.	Apr 2016	May 2016	
Complete School Travel Plan	Track progress, collect all relevant STP information and develop School Travel Plan document. Copies provided to Maple Creek Middle School, City of Coquitlam, and TravelSmart.		Jan 2017	
Bus Stop Implementation	HASTE to enquire with TransLink regarding placing a bus stop closer to Maple Creek	Apr 2016	Summer 2016	



Action/Initiative	Task	Start Date	End Date	Status
<b>Municipal Steering Committee Actions</b>				
<b>Coquitlam School District Actions</b>				
Facilitation & Support	Devon Ross to act as liaison between HASTE and STP schools		2-3 years	
<b>City of Coquitlam Actions</b>				
Signage & Infrastructure	City to assess overgrown vegetation along Ozada Ave. between Tahsis Ave. and back entrance of school with the objective of creating a safer, more comfortable walking experience along that stretch of road.	Apr 2016	Dec 2016	Complete. The City of Coquitlam did not find any encroachment of vegetation onto the sidewalk and hence, no action is required.
	City to assess installing proper curb let downs at Ozada Ave. & Tahsis Ave.	Apr 2016	Dec 2016	Complete. The City has installed curb letdowns at the north-west and north-east corners of the Ozada Ave. & Tahsis Ave. intersection.
	City to assess implementation of "30km/hr" and/or "school zone ahead" sign southbound on Ozada Ave. near Tahsis Ave. Concern: speed was noted as an issue and proper signage would enforce slower speeds and indicate the approaching school zone that is well used by students traveling by foot and on bike.	Apr 2016	Dec 2016	Complete. The City of Coquitlam has installed a "school zone ahead" sign for southbound drivers near the corner of Tahsis Ave. and Ozada Ave.

Action/Initiative	Task	Start Date	End Date	Status
	<p>City to assess pathway between Lincoln Ave. and front entrance of the school.</p> <p>Discussed recommendations include:</p> <ul style="list-style-type: none"> <li>• Installing new lighting that sheds a brighter light during twilight and after dark hours.</li> <li>• Building stairs into the steep section of the path.</li> <li>• Trimming vegetation at narrow point of the pathway to improve visibility.</li> </ul>	Apr 2016	Dec 2016	<p>Complete. The City of Coquitlam has replaced the existing streetlights along the trail with brighter bulbs</p> <p>Pending. Review the feasibility of building a set of stairs along this steep section of the path (2017).</p> <p>Complete. The City's Roads Department maintains this pathway and during their site visit, they did not find any obstructions and hence, no action is required.</p>
	<p>City to assess intersection at Pipeline Rd. &amp; Lincoln Ave. Currently there is a conflict between pedestrians using the crosswalk and drivers turning left from both streets.</p>	Apr 2016	May 2016	<p>Complete. The City of Coquitlam has modified the signal timings at this intersection in early 2016 and will continue to monitor them.</p>
<b>City of Port Coquitlam Actions</b>				
Vegetation maintenance	<p>City to assess trimming bushes and trees near Woodland Dr. &amp; Larkin Ave. – they are encroaching on the sidewalk.</p>	Apr 2016	Oct 2016	<p>In progress. A work order has been sent to Chris Pardek, Urban Forestry –</p>

Action/Initiative	Task	Start Date	End Date	Status
				Trails Arborist, to have the area reviewed and action taken as required. Please contact Chris directly at 604-927-5223 or <a href="mailto:pardekc@portcoquitlam.ca">pardekc@portcoquitlam.ca</a> for the status of this item.
Crosswalk upgrades	<ul style="list-style-type: none"> <li>• City to assess refreshing crosswalk paint at Patricia Ave. &amp; Murchie Pl.</li> <li>• City to assess changing crosswalk sign on Patricia Ave. eastbound before the traffic circle to “crosswalk ahead” sign as it is quite far from the actual crosswalk.</li> </ul>	Apr 2016	Oct 2016	<p>In progress. A work order has been sent to Public Works to have the crosswalk repainted</p> <p>Trades will review the location in the field to determine if there is a location to safely install the sign closer to the crosswalk.</p>
Pathway	City to assess pathway near Patricia Ave. & Murchie Pl. that students use heading northbound where trees and bushes could be trimmed. Near home address #2559 for reference.	Apr 2016	Oct 2016	<p>In progress. A work order has been sent to Chris Pardek, Urban Forestry – Trails Arborist, to have the area reviewed and action taken as required. Please contact Chris directly at 604-927-5223 or <a href="mailto:pardekc@portcoquitlam.ca">pardekc@portcoquitlam.ca</a> for the status of this item.</p>

Action/Initiative	Task	Start Date	End Date	Status
Signage	<ul style="list-style-type: none"> <li>• City to assess installing “no parking” signs on the westside of Hastings St. across from school.</li> <li>• City to assess installing stop sign at McRae Cres. &amp; Hastings St.</li> </ul>	Apr 2016	Oct 2016	Completed. The City of Port Coquitlam is not prepared at this time to restrict parking for residents in the area. This section of Hastings St. is classified as a local road where parking is permitted on both sides and traffic alternates down a single lane where required. A work order has been sent to Public Works to have the centerline removed to allow for this type of traffic movement. To alleviate congestion on Hastings St. there is an on-site drop off area and Patricia Ave. has parking permitted on both sides.
Lighting	City to assess installing additional lighting on Hastings St. as you approach the school.	Apr 2016	Oct 2016	In progress: The request for additional lighting has been sent to Steve Brown, Manager of Streets, for review of your request for additional lighting in the area. Please contact

Action/Initiative	Task	Start Date	End Date	Status
				Steve directly at <a href="tel:604-927-5482">604-927-5482</a> or <a href="mailto:browns@portcoquitlam.ca">browns@portcoquitlam.ca</a> for the status of this item.
<b>RCMP &amp; ICBC Actions</b>				
Road safety/personal safety	Provide school with information regarding road safety for all users, as needed.	Apr 2016	Jun 2016	
<b>Fraser Health Actions</b>				
Environmental Health	Continue providing information pertaining to health and built environment specific to Tri-Cities and school travel.	Apr 2016	Jun 2016	
<b>HUB Actions</b>				
Bike Safety training	Bike education training for 8 grade 6/7 classes.	Spring 2016	Spring 2016	Jointly funded by City of Coquitlam and TravelSmart
Bike to School Event	Support Bike to School Event (May 30 – June 3, 2016)	Mar 2016	May 2016	
<b>TransLink - TravelSmart</b>				
Resources for school education and engagement	Continue to support School Travel Planning and Cool Routes to School programs.	Apr 2016	Dec 2016	
<b>Vice-Principal Actions</b>				
Register for Bike to School Week	Register and participate in Bike to School week. Visit <a href="http://bikehub.ca/bike-to-school/bike-to-school-">bikehub.ca/bike-to-school/bike-to-school-</a>	Apr/May 2016	Jun 2016	

Action/Initiative	Task	Start Date	End Date	Status
	<a href="#">week</a> for details.			
STP meeting	Vice-Principal to attend annual School Travel Planning meeting to update school progress and/or identify new concerns.	Apr 2016	Dec 2016	
Newsletter and Announcement promotion	Continue to promote Newsletter and announcements to support safe and active travel and behaviour change. Informed by the next steps of the School Travel Planning process and the student engagement with the Cool Routes to School program.	On-going		
Resources, Contests & Campaigns	Provide pedestrian and cycling safety information to students throughout the year, including Best Routes to School maps. Promote Ozada Ave. at the back entrance of the school as a school-supported drop off and pick up zone for students.	Spring/Fall 2016		
<b>PAC Actions</b>				
Newsletter	<ul style="list-style-type: none"> <li>• Best Routes to School maps delivered to families in Fall 2016</li> <li>• Separate item in the newsletter stating new location of park n' walk locations and meeting places.</li> <li>• Educate PAC &amp; parents with STP updates (includes: resources, infrastructure change updates &amp; upcoming events)</li> </ul>	Apr 2016	Oct 2016	

Action/Initiative	Task	Start Date	End Date	Status
Best Routes Map	Contribute to editing the Best Routes to School Map.	Apr 2016	Jun 2016	
<b>New Actions</b>				

**Walkabout date: 11 April 2016**

**Participants:**

- Rhonda Jones, Vice-Principal
- Jannette Guarin, City of Coquitlam
- Mumtaz Ambro, City of Coquitlam
- Glen Chua, City of Coquitlam
- Anne Pyenburg, City of Port Coquitlam
- Kathleen Nadalin, ICBC
- Scout Gray, HUB Cycling
- Terry MacDonald, RCMP Traffic Services
- Jon Shiu, City of Coquitlam, Bylaws
- Sam Yeh, City of Coquitlam, Bylaws
- Alex Kwan, Fraser Health
- Devon Ross, SD43
- Jackie Hamnett, parent
- Alice Leon, Parent
- Mike Smith, HASTe
- Haley Ng, Student
- Kalleigh Keldsen, Student
- Ole Lammers, Student
- Serena Chen, Student
- Harim Chang, Student
- Owen Coukell, Student
- Seth Memes, Student



# CLASSROOM HANDS UP TRAVEL SURVEY

Please complete this survey, using stand-up or hands-up methods (ask students to raise their hand's or divide in separate corners of the classroom) for the week of:

**Monday November 9<sup>th</sup> – Friday November 13<sup>th</sup> 2015**

Teacher: \_\_\_\_\_ Grade: \_\_\_\_\_ Division #: \_\_\_\_\_ # Students: \_\_\_\_\_

**Ask students: "How did you travel to school this morning?"**

	<i>Weather</i>	Walked /scooter	Walked part-way*	Bicycle	School Bus	Public Transit	Carpool (2 or more families)	Car (Just my family)	Other?	Total
<b>Mon</b>	Example: Rainy/6C									
<b>Tues</b>										
<b>Wed</b>										
<b>Thur</b>										
<b>Fri</b>										
<b>Total</b>										
<b>Avg=Total/5 not for teachers</b>										

**Ask students: "How will you travel from school today?"**

	<i>Weather</i>	Walked /scooter	Walked part-way*	Bicycle	School Bus	Public Transit	Carpool (2 or more families)	Car (Just my family)	Other?	Total
<b>Mon</b>	Example: Rainy/6C									
<b>Tues</b>										
<b>Wed</b>										
<b>Thur</b>										
<b>Fri</b>										
<b>Total</b>										
<b>Avg=Total/5 not for teachers</b>										

Walked part-way = \*Walked at least one entire block. (e.g. Park & Walk)





# Maple Creek Middle School

## School Travel Planning Baseline Survey

November 9, 2015

Dear Parent (Guardian):

Maple Creek Middle School is working together with the City of Coquitlam's School Travel Planning program to help reduce school traffic congestion and encourage more students to walk, scooter, skate or cycle on their journey to and from school.

The benefits of active school travel include:

- Increased safety
- Improved health
- Arriving alert and ready to learn
- Less stress, greater happiness
- Reduced traffic congestion near the school
- Less air pollution

The School Travel Planning survey will help to better understand the travel choices made by families at Maple Creek with the purpose of improving the safety and health of the school community.

## 2 Step Survey

This survey has two parts: (1) an online questionnaire and; (2) a paper mapping exercise. **To complete the online section please visit: [www.hastebc.org/coquitlam](http://www.hastebc.org/coquitlam) and follow the detailed instructions for your school.**

You'll find the mapping exercise on the following pages. Once complete, **please have your child return it to their classroom teacher by Friday November 13<sup>th</sup>, 2015.**

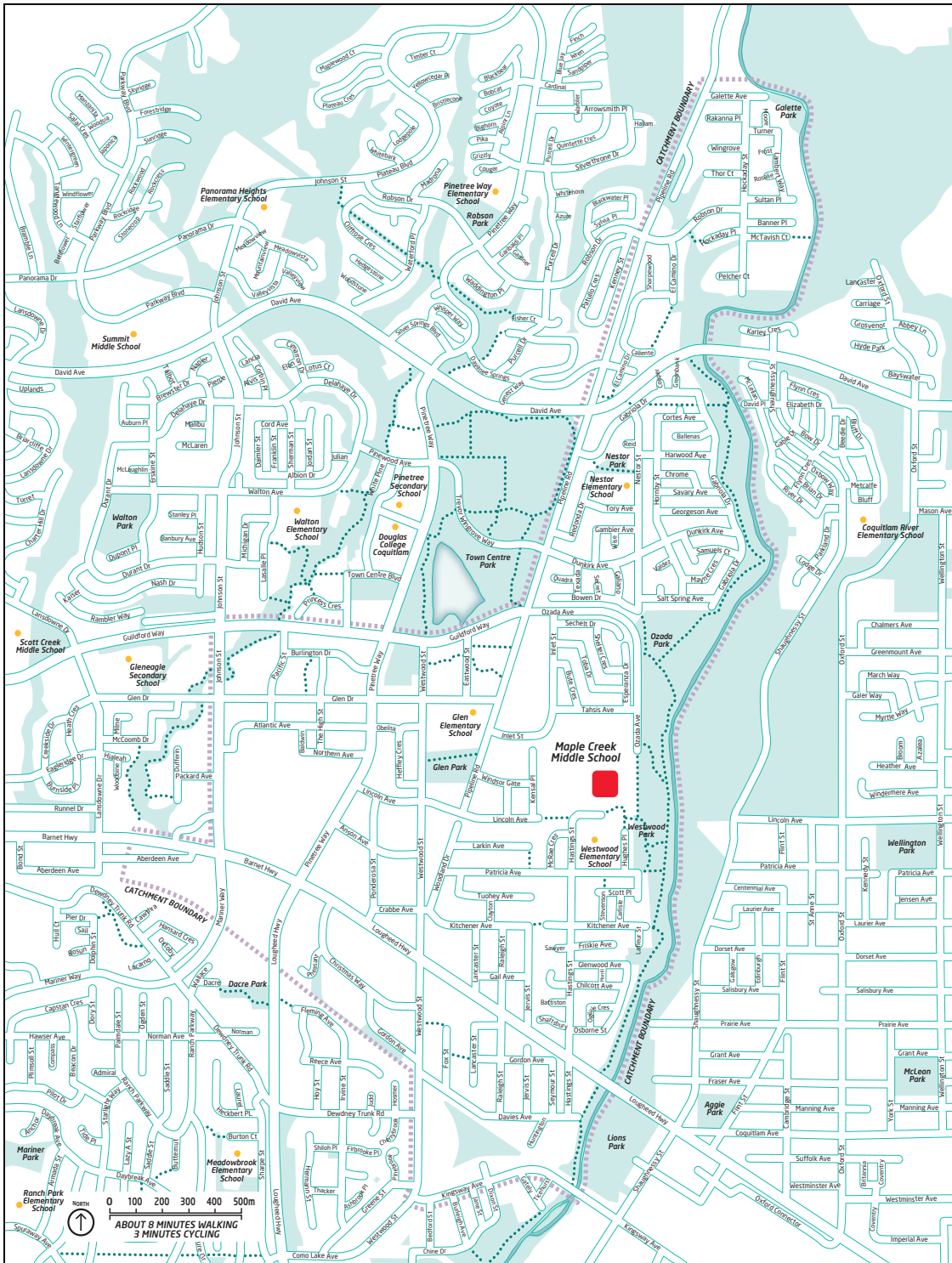
If you have any questions about the survey or the School Travel Planning process, please contact: Mike Smith, School Programs Manager. [msmith@hastebc.org](mailto:msmith@hastebc.org)

Thank you,

Rhonda Jones, Vice Principal

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## Maple Creek Middle School BEST ROUTES

This map is provided as a public resource for general information purposes only. The information shown on this map is compiled from various sources and HASTe makes no warranties, expressed or implied as to the accuracy or completeness of the information.



**HASTe**  
 HUB for ACTIVE  
 SCHOOL TRAVEL

**MAPPING EXERCISE: FOR PARENTS & STUDENTS TO ANSWER AS A FAMILY**

Please complete the following map with the **WALKING** or **CYCLING** route your child/children take to get to and from School. If you usually drive please indicate the route **you would** walk or cycle. Identify any locations that are of concern to you with a number (e.g. 1, 2, 3) and describe these in the table below.

<b>What do you think is unsafe in this area?</b> --
For example: Patricia Ave. between Hastings St & Woodland Dr. Cars often speed along the road.

**PLEASE HAVE THIS MAPPING EXERCISE COMPLETED AND RETURNED TO THE SCHOOL BY FRIDAY NOVEMBER 13, 2015. AND DON'T FORGET TO FILL OUT THE ON-LINE SURVEY, TOO. THANKS SO MUCH!**

*HASTe - the Hub for Active School Travel is the provincial lead for School Travel Planning in British Columbia.  
For more information please visit our website: [www.hastebc.org](http://www.hastebc.org)*

*School Travel Planning Coquitlam is funded by the City of the Coquitlam and TravelSmart.*





# CLASSROOM HANDS UP TRAVEL SURVEY

Please complete this survey, using stand-up or hands-up methods (ask students to raise their hand's or divide in separate corners of the classroom) for the week of:

**Monday October 31<sup>st</sup> – Friday November 4<sup>th</sup> 2016**

Teacher: \_\_\_\_\_ Grade: \_\_\_\_\_ Division #: \_\_\_\_\_ # Students: \_\_\_\_\_

**Ask students: "How did you travel to school this morning?"**

	<i>Weather</i>	Walked /scooter	Walked part-way*	Bicycle	School Bus	Public Transit	Carpool (2 or more families)	Car (Just my family)	Other?	Total
<b>Mon</b>	Example: Rainy/6C									
<b>Tues</b>										
<b>Wed</b>										
<b>Thur</b>										
<b>Fri</b>										
<b>Total</b>										
<b>Avg=Total/5 not for teachers</b>										

**Ask students: "How will you travel from school today?"**

	<i>Weather</i>	Walked /scooter	Walked part-way*	Bicycle	School Bus	Public Transit	Carpool (2 or more families)	Car (Just my family)	Other?	Total
<b>Mon</b>	Example: Rainy/6C									
<b>Tues</b>										
<b>Wed</b>										
<b>Thur</b>										
<b>Fri</b>										
<b>Total</b>										
<b>Avg=Total/5 not for teachers</b>										

Walked part-way = \*Walked at least one entire block. (e.g. Park & Walk)



# Maple Creek Middle School

## School Travel Planning Follow Up Survey

31 October 2016

Dear Parent (Guardian):

Maple Creek Middle has been working together with the City of Coquitlam's School Travel Planning program to help reduce school traffic congestion and encourage more students to walk, scooter, skate or cycle on their journey to and from school.

Maple Creek Middle took part in this program to:

- Improve safety in our community
- Increase the health and well-being of our students
- Increase the amount of students arriving alert and ready to learn
- Reduce pollution where our students play; and
- Reduce traffic congestion at and around our school

Some highlights from the last year include: Crosswalk assessments and upgrades, TravelSmart Youth Leadership program, and HUB Cycling training.

This follow-up survey is to help us understand the impact that School Travel Planning has had on travel behaviour at Maple Creek.

Please access the on-line survey by visiting this link and follow the instructions [hastebc.org/coquitlamsurvey](http://hastebc.org/coquitlamsurvey). The survey will take about 7 minutes to complete.

**The deadline to submit the survey is: MONDAY NOVEMBER 7<sup>TH</sup> 2016.**

If you have any questions about the survey or the School Travel Planning process, please contact: Mike Smith-Cairns, HASTe, [msmith@hastebc.org](mailto:msmith@hastebc.org)

Thank you,

Andrew Graham, Principal



*To protect your privacy this survey does not require you to provide your name. All information will be kept strictly confidential.*

## Appendix B: Walkabout Handout

### Maple Creek School Traffic Walkabout

April 11, 2016 – 2:30pm



#### Background Information:

- grades 6-8
- 580 students
- French Immersion – families traveling further away.
- Leadership class currently enrolled in the Cool Routes to School Program
- Bell: morning (8:30am); afternoon (3pm)

The boundary between Coquitlam and Port Coquitlam is just south of the school and students make the trip from all directions. Each municipality will address their own traffic issues with regards to Maple Creek Middle.

#### Key Survey Findings

Mode of Travel	TO SCHOOL	FROM SCHOOL
	BL (%)	BL (%)
Walk / Scooter / Skate	33%	44%
Walk part-way (at least one entire block)	11%	7%
Bicycle	3%	3%
School bus	0%	0%
Public Transit (TransLink)	1%	1%
Carpool (2 or more family)	9%	8%
Car (just your family)	42%	36%
Other	1%	1%
<b>TOTAL</b>	<b>100%</b>	<b>100%</b>

Distance to school	BL (#)	BL (%)
Less than 0.5km	33	20%
0.51 to 1.59km	42	25%
1.6 to 3km	44	27%
Over 3km	46	28%
<b>TOTAL</b>	<b>165</b>	<b>100%</b>

Reasons for Driving	BL (#)	BL (%)
Distance	57	62%
Convenience	32	35%
Traffic	27	29%

Personal Safety	25	<b>27%</b>
On way to somewhere else	25	<b>27%</b>
Weather	32	<b>35%</b>
Other	10	<b>11%</b>
<b>TOTAL</b>	<b>92</b>	

<b>I would allow my child to cycle if...</b>	<b>BL (#)</b>	<b>BL (%)</b>
Not alone	33	<b>36%</b>
Safer Routes	37	<b>40%</b>
Reduction in traffic	33	<b>36%</b>
Older	24	<b>26%</b>
Lived closer	43	<b>47%</b>
Bike training	14	<b>15%</b>
Bike parking	22	<b>24%</b>
Other	3	<b>3%</b>
<b>TOTAL</b>	<b>92</b>	<b>-</b>

<b>I would allow my child to walk to school if...</b>	<b>BL (#)</b>	<b>BL (%)</b>
Not alone	37	<b>40%</b>
Safer routes	22	<b>24%</b>
Reduction in traffic	30	<b>33%</b>
Older	24	<b>26%</b>
Lived closer	59	<b>64%</b>
Other	7	<b>8%</b>
<b>TOTAL</b>	<b>92</b>	<b>-</b>

<b>Overall, is the Neighbourhood Safe?</b>	<b>BL (#)</b>	<b>BL (%)</b>
Strongly agree	16	<b>10%</b>
Agree	107	<b>64%</b>
Disagree	38	<b>23%</b>
Strongly disagree	5	<b>3%</b>
<b>TOTAL</b>	<b>166</b>	<b>100%</b>

**Notes:**