



SUNCOAST
CHRISTIAN COLLEGE

CAR **VS** COLLEGE BUS

WHICH IS THE MOST
COST-EFFECTIVE WAY
TO GET YOUR KIDS TO SCHOOL?



Faith Diligence Love



**SUNCOAST
CHRISTIAN COLLEGE**

COST COMPARISON CAR VS COLLEGE BUS

To assist with this comparison we have created a sample College family. The family lives in Buderim (approximately 12 kilometres from the College) with one child attending. Each day a parent drives their child to school in a mid-sized SUV. If they opt for the College bus their likely savings are as follows.



COST SAVINGS

\$2118

PER ANNUM

Car Cost \$3790 - Bus Fares \$1672



TIME SAVED

6.6 HOURS

PER WEEK



CARBON EMISSIONS SAVED

1.81 TONNES

PER ANNUM

1.986 tonnes - 172 kg

HOW WE CALCULATED THE LIKELY SAVINGS

CAR

COST OF CAR

Distance to College (Buderim)	12 kms
5 two-way trips per week	120 kms
40 school weeks	4800 kms
Cost per kilometre of common mid-sized SUV*	\$0.79

COST PER ANNUM \$3790

TIME COST

Travel time to College (one way from Buderim)	15 mins
Travel time - 2x back/forth trips per day	60 mins
Daily car park delays (morning + afternoon)	20 mins

TIME EXPENDED - WEEKLY 6.6 HOURS

ENVIRONMENTAL COST

Carbon emissions or Co2 (g/km) of a mid size SUV**	279 Co2 (g/km)
Kilometres (school trips) per annum	4800 km

PER ANNUM CARBON EMITTED BY CAR 1.986 TONNES

COLLEGE BUS

COST OF BUS

Buderim is a Zone 2 bus - 1 child per term - full time \$418

COST PER ANNUM FOR ONE CHILD (OVER 4 TERMS) \$1672

TIME SAVING - MORE TIME FOR PARENT

- No travel time for parent
- Since the child now travels by bus, the parent now has an additional 6.6 hours free time each week - time he/she can now use for other pursuits or to earn additional income

TIME EXPENDED - WEEKLY 0

ENVIRONMENTAL COST

Carbon emissions or Co2 (g/km) of School Bus***	1395 Co2 (g/km)
Seats on Bus	39
Per Seat / Per Km share of Bus Co2 emissions	36 Co2 (g/km)
Kilometres travelled	4800
Per annum, per seat share of Bus Co2 emissions	172 kg

PER ANNUM CARBON EMITTED BY BUS (PER 1 CHILD) 172 KG

*Source: <https://www.racq.com.au/cars-and-driving/cars/owning-and-maintaining-a-car/car-running-costs>

**Co2 (g/km) = grams of Co2 emission for each kilometre of travel by gasoline within urban environments. Emission data sourced from <https://www.greenvehicleguide.gov.au>

***The College uses a King Long 39 Seater bus for the Buderim run. This bus complies with the Euro 5 emissions standards as adopted by the Australian Government. Currently no Co2 (g/km) data is available for this model bus, so for the purpose of this comparison we make the generous assumption that the King Long 39 Seater bus might emit five times the Co2 emissions of the mid-size SUV used in this comparison. Thus we make the assumption that the Co2 (g/km) is 5 x 279 or 1395 Co2 (g/km).