



Child Passenger Safety Technician Training: Course Syllabus

Introduction

About CPSAC, how CPSTs can use their certification, networking, insurance, documentation

Module 1: Why Restrain?

Injury prevention, physics of crashes, types of crashes causing fatalities, expected injuries, vehicle features to prevent injury

Module 2: Roles & Responsibilities

- Transport Canada: CMVSS standards, defect investigation, compliance testing (dynamic, static, inversion), recalls, Health Canada's role
- Manufacturer: design and performance requirements, registration and recall capabilities, additional testing, self-certification
- Provinces & Territories: legislation of CRS, booster seat, and seat belt usage
- Parents & Caregivers: onus on parents to seek information and make decisions for their children, expiry dates, used seats, crashed seats, unregulated products, bulky clothing

Module 3: Airbags

Purpose, regulation, labeling, location, warnings, dual stage airbags, airbags controlled by a sensor, deactivating airbags, seat belt airbags

Module 4: Seat Belts

Injury prevention due to seat belt usage, types and components of seat belts, locking the belt pre-crash, how and when the belt locks (retractors, latch plates), secondary locking measures (locking clip, lock-offs), new seat belt technology, incompatible seat belts

Module 5: Universal Anchorage System (UAS)

Definitions and history, location, weight limitations, flexible and rigid lower connectors

Module 6: Rear Facing

Physics of crash protection, availability of seats, handle position, recline indicators, installation (convertibles, rear-facing only with and without base), rear-facing tethering, harness fit (height, tightness, chest clip placement, crotch buckle position, fit issues), potential barriers, best practice

Module 7: Forward Facing

Physics of crash protection, availability of seats, installation, tether anchors, head restraints, emergency tethering, built-in harnessed seats, harness fit (height, tightness, chest clip placement, crotch buckle position, fit issues), potential barriers, best practice

Module 8: Vehicle Barriers

Vehicle features that may make installing a CRS difficult or impossible

Module 9: Booster Seats

Physics of crash protection, availability of seats, built-in boosters, maturity, installation, belt fit (shoulder and lap), risks of poor fit, other fit issues, potential barriers to booster use, best practice

Module 10: Adult Seat Belt

Physics of crash protection, five step test for seat belt readiness, best practice

Module 11: Special Needs

Definitions, mass-produced restraints, custom restraints, custom restraints for school buses

Module 12: Air Travel

CRSs permitted for use, alternate restraint options, best practice

Module 13: How to Talk to Parents

Building bridges with parents, respect, acknowledgement of concerns, remaining factual, parent makes the final choice, documentation

Module 14: What Happens Next

Clinic procedures, seat check form in use for clinic, housekeeping details, exam, communication with CPSAC, delivery of certificate

Hands On Activities

A variety of in-class, at home, and in-vehicle activities to broaden understanding and cement learning

Written Exam

50 multiple choice questions; one hour to write

Practical Exam

Minimum three hour public seat check event where practical skills are assessed

