



May 2014

CPS TEAM Colorado

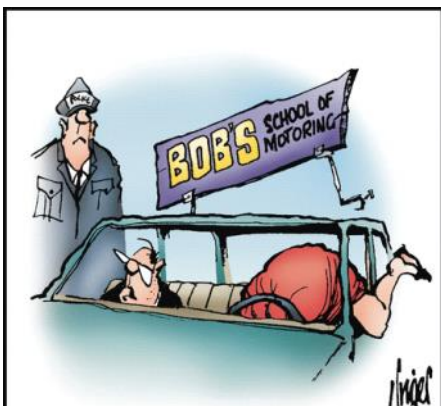
Welcome to the newsletter for Child Passenger Safety Technicians, Instructors and Advocates in the great state of Colorado!

We hope you find all the information you need to stay connected to your fellow safety professionals for statewide CPS happenings, training and national information.

Please feel free to contact us if you would like to see content added or have questions concerning information in this newsletter.

We welcome misuse photos, unique stories and information about the great things going on in your community!

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Have a great photo or story to share? Want to brag about your awesome team? We'd love to hear about it! [Click here](#) to submit.

BE SURE TO ENTER YOUR SEAT CHECK DATA [click here for form](#). THOSE WHO REPORT DATA WILL BE RANDOMLY SELECTED TO RECEIVE CPS GOODIES!!

RECIPIENTS WILL BE ANNOUNCED IN THE 'CONE AWARD' SECTION OF THIS NEWSLETTER. DATA DRIVES DOLLARS, DOLLARS DRIVE PROGRAMS! ENTER YOUR DATA TODAY!





"It's OK, officer. She's looking for the emergency brake."

The Juvenile Product Manufacturers Association launches a new consumer website: [babysafetyzone.org](http://babysafetyzone.org)



### JPMA Has a New Baby

We're excited to announce the launch of the Baby Safety Zone website at [www.babysafetyzone.org](http://www.babysafetyzone.org)



JPMA Offers Helpful Tips for Ensuring a Safe & Sound Environment for Baby

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### GOODIES!!

RECIPIENTS WILL BE ANNOUNCED IN THE 'CONE AWARD' SECTION OF THIS NEWSLETTER. DATA DRIVES DOLLARS, DOLLARS DRIVE PROGRAMS! ENTER YOUR DATA TODAY!



- Vehicle Manufacturer Panel Discussion: June 18, 2014 This CEU opportunity for CPS Techs is brought to you by State Farm and the Safe Kids Certification program. This webinar panel discussion will focus on the vehicle perspective of child passenger safety. Panelists from General Motors (Julie Kleinert), Volkswagen/Audi (Barbara Birkenshaw) and Ford (Eric Eiswerth) will address many of the questions that CPS technicians have on how the occupant protections systems are different from one another and how this would influence or challenge a car seat installation. This webinar panel discussion will focus on the vehicle perspective of child passenger safety. Our panelists from General Motors (Julie Kleinert), Volkswagen/Audi (Barbara Birkenshaw) and Ford (Eric Eiswerth) will address many of the questions that CPS technicians have on how the occupant protections systems are different from one another and how this would influence or challenge a car seat installation. [Register here](#)
- Four online Tech Updates on Myth Busters, Communicating Longer Rear-facing to Parents, Hot Topics in CPS, Boosters-What Fits?, LATCH and HHW Seats, Transporting Children with Special Needs and What's New in Child Safety Seats. After watching the videos, users must pass the test for each course with 80% in order to print a certificate of completion. Courses are worth 1 or 2 CEUs. Users may log in and out to complete the modules. <http://extensiononline.tamu.edu/courses/volunteers.php>
- 8 online presentations on School Buses, A Tech's Guide to Recalls, Transportation of Children in Vehicles Other Than Cars, Federal Regulations, Non-Federal Consumer Information, Transporting Children with Special Health Care Needs, New Technologies in Occupant Protection with an Emphasis on Vehicle Technology and Using Rear Facing Child Restraints Longer. Read the instructions and requirements carefully. You can take each webinar one time for CEUs. [www.SafeKidsWebinars.org](http://www.SafeKidsWebinars.org)
- More online CEU opportunities can be found at: [CEU info](#)



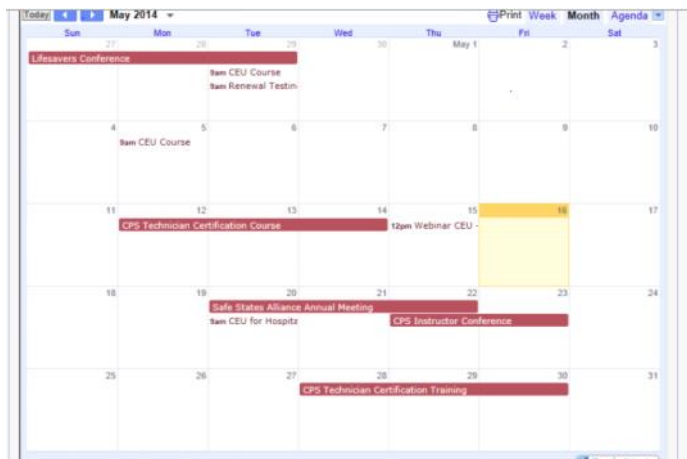
## Cone Corner



Meet The District Two CPS Advisory Council Representative:  
*Vicky Cassabaum*



*Vicky Cassabaum RN has been a CPS tech since 1999 and instructor since 2001. She is the injury prevention coordinator at St Anthony Hospital in Lakewood and provides a fit station for the Lakewood community. She served on the National CPS board 2005-2006 and is currently the district 2 representative for CPS team Colorado advisory committee.*



### Child Passenger Safety Training Courses

Advocate courses (full or half day awareness class) are a great way to introduce someone to Child Passenger Safety. If you have community members interested in becoming involved in CPS please direct them to one of these courses.

In some cases people make better advocates than technicians, they may not have time for the full course or it is just too overwhelming, an Advocate Course can be the spark to sustainable



Dorel Technical Center for Child Safety Tour

### Warning Against Leaving Infants Asleep In Car Seats

Wed 17 Jul 2013 - 2am PST

Pediatrics / Children's Health



Editors' Choice

Researchers in New Zealand recently tested a car safety seat insert designed to reduce the risk of young babies suffocating. While it showed some benefit, the researchers caution that it is still important for parents never to leave young infants asleep in their car seat.

Professor Alistair Gunn and colleagues from the Department of Physiology at the University of Auckland wrote a paper published online in Pediatrics this week. They found that while the foam plastic insert reduced the number of times young babies stopped breathing, it did not reduce the overall rate of low-oxygen episodes.

In 2006, Gunn's team reported in a BMJ paper that preterm infants and full-term infants with certain health conditions are at risk of temporary suspension in breathing (apnea) while they are restrained in semi-reclining car safety seats. They also mentioned that studies show even some full-term infants can experience periods of low oxygen saturation.

While infant car safety seats are essential for protecting young babies from injury and death in traffic accidents, they should not be left unattended to sleep in them, they said.

Now in this latest paper, the team builds on their earlier research to investigate the effectiveness of an added safety insert, which is already available commercially, as lead author Dr. Christine McIntosh explains in a statement:

"Babies' heads usually slump forward when they fall asleep in their seats. We wanted to find out whether an insert that allows the infant head to rest upright in sleep could improve safety by reducing periods of low oxygen."

For their randomized controlled trial, the team monitored body functions of 78 babies who were, on average, 8-days-old as they slept in car seats with the insert (39 infants) and without it (39 infants). The body functions measured included breathing and blood oxygen levels (hemoglobin oxygen saturation).

The researchers found that compared to the babies who did not have the insert, the babies who did experienced fewer episodes where they stopped breathing due to airway obstruction, accompanied by a reduced fall in oxygen levels during these episodes. However, the insert did not significantly reduce the overall rate of moderate low oxygen events.

The results showed that the car seat insert was associated with a significant reduction in three measures: the rate of obstructive apnea, the severity of oxygen desaturation events, and time when oxygen saturation fell below 85%.

"Both groups showed a small fall in mean hemoglobin oxygen

CPS involvement.

Please [click here](#) to request an Advocate course in your area.

Continuing Education (also known as refreshers, CEU class, or Update Refresher) courses will be offered on a frequent basis



is across the state.

Please consider attending one of these courses instead of getting all your CEU's online. Instructors will be available for the required seat checks. Please [click here](#) to request a CE course in your area.

Continuing Education for hospital/healthcare based CPST's - addresses the unique needs and liability issues encountered by CPST's working in this environment. Please [click here](#) if you are interested in this course.

Certification Renewal courses are also available this year for CPS Technicians whose certification has expired within the past four years. One of the requirements of the course is that the technician has remained an active participant in CPS during the lapsed time. This course can be taken consecutively with the CE course but IT IS NOT an update class. If you do not feel your skills are current please take the CE course prior to enrolling in this course. Please [click here](#) for more info.

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|-----------------------|--|---|
| May 12-14, 2014       | Tim Gill Center<br>315 E. Castilla Street<br>Colorado Springs, CO 80903                                | Registration is open... <a href="http://www.cert.safekids.org">www.cert.safekids.org</a> . New people must create a profile and then look for the course CO20140127101.   |
| May 28-30, 2014       | Poudre Fire Training Center<br>3400 W. Vine St.<br>Fort Collins, CO 80521                              | Registration is open... <a href="http://www.cert.safekids.org">www.cert.safekids.org</a> . New people must create a profile and then look for the course CO2014012073.    |
| June 9-11, 2014       | Colorado Dept. of Transportation (CDOT) Conference Room<br>20581 Highway 160 West<br>Durango, CO 81301 | Registration is open... <a href="http://www.cert.safekids.org">www.cert.safekids.org</a> . New people must create a profile and then look for the course CO2013121610360. |
| June 30-July 2, 2014  | Ft. Lupton Fire Training Center<br>2999 9th St<br>Ft. Lupton, CO 80621                                 | Registration is open... <a href="http://www.cert.safekids.org">www.cert.safekids.org</a> . New people must create a profile and then look for the course CO20140306245.   |
| July 9-11, 2014       | Franktown Fire Protection Dist.<br>Station 184<br>6120 Bridal Path Lane<br>Parker, CO 80134            | Registration is open... <a href="http://www.cert.safekids.org">www.cert.safekids.org</a> . New people must create a profile and then look for the course CO2014012286.    |
| July 16-19, 2014      | Location TBD<br>Glenwood Springs, CO   | Registration is open... <a href="http://www.cert.safekids.org">www.cert.safekids.org</a> . New people must create a profile and then look for the course CO20140314288.   |
| July 23-26, 2014      | Location TBD<br>Grand Junction, CO   | Registration is open... <a href="http://www.cert.safekids.org">www.cert.safekids.org</a> . New people must create a profile and then look for the course CO20140413412.   |
| August 13-16, 2014    | La Junta Fire Department<br>601 Colorado Avenue<br>La Junta, CO 81050                                  | Registration is open... <a href="http://www.cert.safekids.org">www.cert.safekids.org</a> . New people must create a profile and then look for the course CO20140417425.   |
| September 17-20, 2014 | Location TBD<br>Alamosa, CO  | Registration is open... <a href="http://www.cert.safekids.org">www.cert.safekids.org</a> . New people must create a profile and then look for the course CO20140413410.   |

FAQ's from Dorel:

saturation (SpO2) over the first hour of sleep," write the authors, adding that there "was no difference between insert and no insert in the rate of moderate desaturations." They defined moderate desaturations as a fall in SpO2 of 4% or more, lasting for 10 seconds or more.

McIntosh says:

"Even reducing severity of the fall in oxygen levels is important and is a good indicator that the insert did help make babies safer."

But she adds that the findings also highlight "the importance of not using cars seats as a place of sleep for infants."

"Sudden unexpected deaths in infants (SUDI) can occasionally occur in car seats/capsules," says McIntosh.

Other researchers have also urged that car safety seats for very young babies should be used only for protection during travel, and not as replacement for cribs.

Written by Catharine Paddock PhD

• References

- "Randomized Controlled Trial of a Car Safety Seat Insert to Reduce Hypoxia in Term Infants"; Christine G. McIntosh, Shirley L. Tonkin, and Alistair Jan Gunn; Pediatrics peds.2013-0127, published ahead of print 15 July 2013; DOI:10.1542/peds.2013-0127; Link to Abstract. Additional source: University of Auckland press release.
- Visit our Pediatrics / Children's Health category page for the latest news on this subject.
- Paddock, C. (2013, July 17). "New Warning Against Leaving Infants Asleep In Car Seats." Medical News Today. Retrieved from <http://www.medicalnewstoday.com/articles/263488>.

Car Seats: Everything You Ever Wanted To Know

Written by Melinda Wenner Moyer for Slate

<http://www.huffingtonpost.com>

There are many things we do in private that we hope others never see. Installing a car seat is up there for me. Having just moved from New York City, where I rarely drove anywhere, to the country, where I rarely walk anywhere, car seats have suddenly become part of my daily life, and even though I know they may one day save my son's life, I do not get along with them. When I'm fighting to install one into my car by myself, the process invariably involves instruction manuals (for my car seat and my car), YouTube installation videos (necessary since my manuals seem to be written in Pirahã), ample cursing, and me punching the car seat. Whoever said violence is never justified clearly never owned a Britax. [Read full article here](#)

Recall information: Links to several recall sheets click on the name to be connected with the sheet:

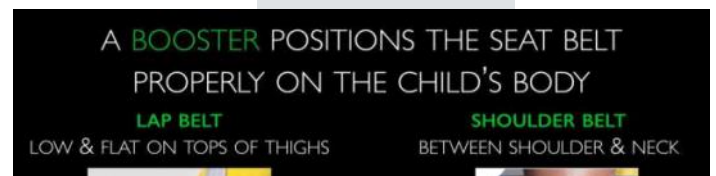
\* [Safety Belt Safe, USA](#)

\* [University of North Carolina Highway Safety Research Center](#)

\* [National Highway Traffic Safety Administration](#)

\* [The Safety Restraint Coalition](#)

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**General Information on the Complete Air:**

The instructions for all Dorel convertibles consistently state that the level-to-ground should be followed. That was the case when the Air Protect was introduced in the Complete Air, when it was shipped, and when it was purchased. We know that many of our consumers are also CPS Tech's so we wanted to illustrate not only our recommendations based on testing our child restraints, but also, what the National Child Passenger Safety Certification Training Program manual defines as proper installation and use of child restraints.

**\* What is the proper recline angle for my rear-facing child?**

When your car seat is installed in your vehicle and your child is secured in the car seat, the level lines on side of plastic shell must be level with the ground.

**\* What is the correct way to secure a child in a rear-facing infant or convertible Child Restraint (CR)?**

The child must meet the weight/height requirements of the CR. The CR must be reclined according to the CR manufacturer's instructions. Harness straps must be at or below the child's shoulders with the retainer clip at armpit level. Harness straps should be snug and comfortable.

\* Certified Passenger Safety Technician Curriculum: PAGE 224 CHAPTER REVIEW QUESTION

**\* Proper Rear Facing Installation and Angle Tips:**

- o Dorel testing has shown that the resulting angle leads to the best crash test performance, even for older and larger children, for car seats that have level line indicators.
  - o If your car seat model has an angle indicator with a ball, rather than level lines, the ball should be between the two marks on the indicator that matches the weight of your child.
  - o NOTE: Check the angle indicator while parked on level ground.
  - o Do not recline more than 45 degrees from vertical.
  - o Follow CR manufacturer's instruction for acceptable rear-facing recline angle.
  - o Not all manufacturers recommend the same angle.
  - o As baby ages and obtains better head control, he/she may sit more upright. This can actually provide for improved crash protection.
- CR recline indicator:
- o The recline angle indicator is part of the CR and should be used as



**How Do I re-certify?**

**Recertification Requirements**

CPS certification expires after two years. Technicians and Instructors are required to successfully complete the recertification process before their current certification expires.

**Here is what you need to do to recertify:**

Meet these requirements and record the activities in your online profile.

- \* Conduct all five different types of seat checks.
- \* Participate in at least one community event (one checkup or community workshop).
- \* Participate in at least six continuing education units (CEUs). As part of ongoing quality assurance, you may be randomly selected for a CEU audit. Keep proof of content and completion of CEUs handy for three months after you recertify.
- \* You can monitor your audit status in your online profile. If you are an instructor, complete 20 Certification/Certification Renewal Course teaching hours.
- \* Pay the recertification fee. The recertification fee is \$50 for technicians and instructor candidates and \$60 for instructors. Check your online profile if you are not sure when your certification expires.

**You must complete all recertification requirements, including paying the recertification fee, on or before the expiration date of your current certification.**

### 5-Step Seat Belt Test

1. Shoulder belt crosses between shoulder and neck.
2. Lower back against vehicle seat.
3. Lap belt on thighs.
4. Knees bend at edge of seat.
5. Child rides like this for the whole trip.

Courtesy of CPS Team Colorado and Intuitive Designs & Photography, Inc.

indicated by the manufacturer.

\* Certified Passenger Safety Technician Curriculum: pg 133-  
Correct recline angle

NOTE: Always consult CR manufacturer's instructions for how to  
obtain proper angle. (pg 134)

\* 30-45 DEGREE CLARIFICATION

The 30-45 degree reference is on Slide 9-18 in the standardized curriculum, but is not otherwise contained in either manual. The curriculum is clear that the manufacturer instructions must be followed. Parents should use angle given in CR manufacturer's instructions (The correct angle or range allowed by a manufacturer generally is within the range of 30 to 45 degrees from vertical)

- CR spreads crash forces along the entire head, neck, and back
- Correct position helps keep airway open
- CR may be moved more upright as child grows & ages
- There are car bed options, if prescribed by physician, for children with special health needs

\* Complete Air Convertible Car Seat Tips

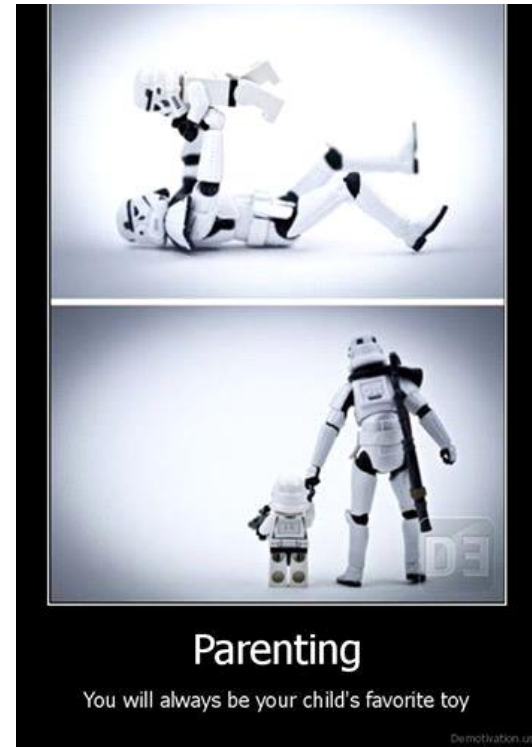
CPS TEAM COLORADO Advisory Council

Height limitation of the Complete Air: If you would like to rear face your child in the Complete Air, he or she must be 40" or under and their head must not reach past the top of the headrest. If your child is 40" but still has clearance to the top of the headrest, we cannot recommend that you use the Complete Air to rear face your child. Once your child has reached 40 lbs or 40" or if the top of your child's head reaches past the top of the headrest (any one of these criteria), we cannot recommend you use this car seat to rear face your child.

Recline Angle: When the level-to-ground line on the Complete Air is used correctly, the back angle and the level-to-ground line that is molded in the side of the car seat should be 45-degrees. If you cannot achieve this angle in your vehicle, we cannot recommend you use this car seat to rear face your child.

Clearance from the top of the shell: When rear facing your child in the Complete Air, we do not use the 1" clearance rule of thumb. Instead, we state you can use the seat up to the point that the top of the child's head does not go past the top of the headrest as long as your child is not over 40" or over 40 lbs. At this time, the 1" rule only applies to our infant car seat. It is a specific guideline to each manufacturer, not an industry standard.

It is our policy and CPS Curriculum to follow the manufacturer's written instructions. It is the case with all of our car seats (except the onBoard Infant Seat which has dual level positions), to use the level-to-ground line for all weights and heights while rear-facing, which is 45 degrees.

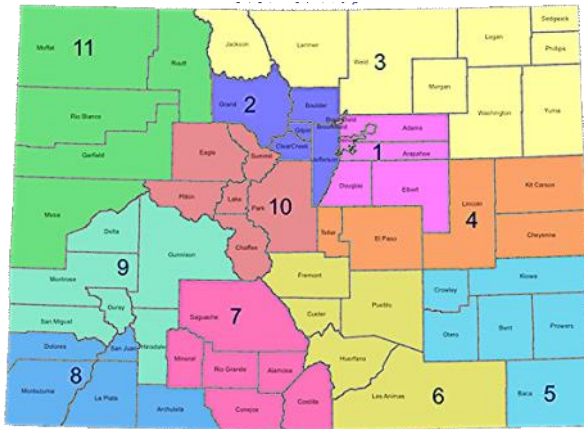


Twenty Equipment Kits to be Distributed in May:



These awesome community training equipment kits include scales, height chart, educational materials (see photo), training dolls, and inspection station sign. If you are interested in receiving one of these kits please contact Heather Cobler 303 239 4500 or [heather.cobler@state.co.us](mailto:heather.cobler@state.co.us)

Seat check data is required to receive an equipment kit. [Click here to link to the current resource map](#)



[Forward this email](#)

