

MECHANICS WORKSHOP – CONWAY HIGH SCHOOL
COURSE DESCRIPTIONS
JUNE 10 - 13, 2019

A REASON TO USE FUEL ADDITIVES IN YOUR FLEET? **Jon or Greg White**, Schaeffer Manufactory. Co. Will conduct one (1) one hour and 45 minutes class on: Are fuel additives an expense? Difference between summer and winter fuel additives. What are C-tane improvers. Do alcohol by-products help or hurt your fuel treatment program? Are anti-oxidants necessary in a fuel additive? What is treat rate and does the additive have to be added before or after refill? How to treat water in tanks. Cost to idle. Can you justify the expense of a fuel additive? **Class is** Thursday at 8:00 a.m.

A/C 609 CERTIFICATION COURSE: **Summit Bus** will conduct two (2) half-day class will cover everything you need to know about recovering and charging A/C systems with Freon. This course will also teach you the difference between the many types of Freon and their uses. Upon completion of this course each mechanic will receive their certification card in the mail (3-4 weeks). This course will be administered by MACS A/C Training. This class will be Tuesday at 8:00 a.m. and 1:15 p.m.

A/C PREVENTATIVE MAINTENANCE AND TROUBLESHOOTING: **A representative of American Cooling Technology** will conduct three (3) half-day hands-on classes on basic refrigeration cycles, component definitions and preventative maintenance procedures. The class will also include troubleshooting guidelines, proper system charging as well as electrical and leak detection. This class will be certified. **Each class is limited to 15 mechanics.** Classes will be on Monday at 1:15 p.m. and Tuesday at 8:00 a.m. and 1:15 p.m.

ARKANSAS TEACHER RETIREMENT SYSTEM (ATRS): **A representative of the Arkansas Teacher Retirement System** will conduct four (4) one hour and 45 minute classes on retirement. **You MUST include the last four digits of your social security number** when registering to ensure your personal printouts along with benefit estimates for those eligible to retire or enter the T-DROP plan. These sessions are for current members of ATRS or members of Arkansas Public Employees' Retirement System (APERS) who are considering changing to ATRS. Classes are Wednesday at 10:00 a.m. and 1:15 p.m. and Thursday at 10:00 a.m. and 1:15 p.m.

BASIC FOUNDATION AIR BRAKE SYSTEM, **Wayne Arnspiger**, Marathon Brake (sponsored by Central States Bus Sales) will conduct five (5) one hour and 45 minute classes on the overview of a basic foundation air brake system. The presentation will cover what's in brake linings (block ingredients), identification of brake shoes, common failures and a discussion on choosing the proper lining for the route and application. These topics as well as a quick review of air systems, spring brake chambers and slack adjusters meets the requirements for the Federal Motor Carrier Safety Act for brake inspections, maintenance, service or repairs (49CFR396.25). Class attendees will receive a wallet certification card and an employee/employer certification form. A "Certificate of Attendance" will be mailed to class attendees in about two weeks. These classes will be held Tuesday at 1:15 pm and 3:15 pm and Wednesday at 8:00, 10:00 and 1:15pm.

BASIC MIG / STICK WELDING: **Jim Woods**, instructor, Conway School District will instruct four (4) half day classes on Basic Mig / Stick welding with in class instruction and hands on in shop training. **Requirements are** long pants and some type of leather shoes (no sandals). Classes will be Tuesday and Wednesday at 8:00 a.m. and 1:15 p.m. **Class is limited to 12. ONLY THOSE REGISTERED WILL BE ADMITTED.**

BASIC TIG WELDING: **Jim Woods**, instructor, Conway School District, will instruct one (1) half-day class on Thursday at 8:00 a.m. This class will consist of classroom instruction and completion of hands on in shop area. **Class is limited to 8. ONLY THOSE REGISTERED WILL BE ADMITTED.**

BLUE BIRD FAULT CODE DIAGNOSTICS AND TROUBLESHOOTING: **Kent Pascoe**, (sponsored by Central States Sales) will conduct five (5) half-day classes on the multi-plex system of the Blue Bird Chassis. He will take 30 minutes of class time to demonstrate Central States' service and parts CD catalog. He will also address warranty procedures for Central States and Blue Bird. The sessions will also consist of maintenance, preventative maintenance and troubleshooting on Blue Bird's Transit and Conventional Buses. Classes are Tuesday, and Wednesday 8 a.m. & 1:15 p.m. and Thursday at 8:00 a.m.

BOSCH-ESI Truck/Bus HD Diagnostics: Bosch/OTC/Robinair (sponsored by Crow-Burlingame Co.) These four(4) one hour 45 minute classes will provide you with the latest most up-to-date information tool in the market today on heavy duty diagnostics. Increase your shop efficiency with a tool that provides a single, intuitive interface that works on all trucks/buses and very easy to use. Operating DPF System service equipment/AC equipment and more will also be covered. You won't want to miss this class if you want to be prepared for what is coming to the bus industry. Classes are Tuesday beginning at 8:00a.m., 10:00 a.m., 1:15 p.m. and 3:15 p.m.

BRAUNABILITY COMMERCIAL DPA LIFT TECHNICAL TRAINING: A representative from BraunAbility will conduct three (3) half-day classes. These classes will be classroom presentation including theory and operation, lift maintenance and lift lubrication Instruction on diagnosis and repair Hands-on demonstration including inspection, operational checks, and adjustments includes theory and operations. Classes are Monday 1:15 p.m. and Tuesday at 8:00 a.m. and 1:15 p.m.

Charging Systems Training & Armature Service Tour: Marion Jett with Leece Neville-Prestolite Corporation (sponsored by Armature Service) will conduct (3) half day classes. The objective of this course will be to understand and diagnose problems in the charging system, including battery issues. (This will be a more hands-on type course in lieu of the normal classroom setting.) In addition to class, a tour of Armature Service's facility will also be provided. The tour will show the process of how Armature Service rebuilds all DC units (i.e. starters, alternators, D.C. motors, etc.) and how they test & clean diesel particulate filters (DPF). Due to safety regulations all participants must wear closed toe shoes and no one under the age of 18 will be able attend this class. This class will be given on Wednesday at 8:00 a.m. and 1 p.m. & Thursday at 8:00 a.m. Lunch will be provided to Wednesday classes only (Thursday class will be back in time to have lunch in Conway). Class limited to 20.

CHEMICAL RIGHT TO KNOW (GHS-GLOBAL HARMONIZED SYSTEM) and BACK SAFETY/ ERGONOMICS: The Department of Labor will conduct two (2) one hour and forty five minute classes on the understanding of the Hazard Communication Standard (HCS, which is now aligned with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS). Understand the importance of safety data sheets, chemical labels, proper labeling of chemicals, handling and storing chemicals, and much more. It will also inform them of the requirements for chemicals in the workplace and their responsibility as an employee who handles chemicals. Attendees will be introduced to the history of ergonomics, common ergonomics injuries, work tasks that cause ergonomic injuries, methods to combat ergonomic injuries, improper lifting techniques, proper lifting techniques and much more. These classes will be Monday at 10:00 am and 1:15 pm.

CLEANING THE EXHAUST SYSTEM: Richard Ashley, Mighty Auto Parts, will conduct two (2) half-day classes on cleaning the exhaust system. This class will include PowerPoint presentation, along with multiple pictures and video's of "Real Hands On " under the hood instructions. A demonstration of the process of a "School Bus". When the process is followed it will literally save the district Thousands Of Dollars and the Mechanics tremendous amounts of time. Classes will be on Wednesday at 8:00 a.m. and 1:15 p.m. at the Conway Bus Shop.

COMPETITION: INSPECTOR: The ASBMA will hold a one-day competition for inspectors. The competitors must take a multiple choice written test and determine 30 "must find" defects on a specific school bus. The winner will represent Arkansas at the National competition to be held in September. This competition is limited to one inspector from each district with no more than 30 competitors in each category and cannot be in the Technician competition. Competition will be held Tuesday.

COMPETITION: TECHNICIAN: The ASBMA will hold a one-day competition for mechanics. This competition will include both a multiple choice written test as well as hands on competition. Competitors will be required to troubleshoot and identify mechanical deficiencies in three different school bus components/systems. The winner will represent Arkansas at the National competition to be held in September. This competition is limited to one mechanic from each district with no more than 30 competitors and cannot be in the Inspector competition. Competition will be held Wednesday.

CUMMINS ENGINE OVERVIEW AND DIAGNOSTICS: Doug Reeves, Cummins (sponsored by Summit Bus) will conduct two (2) one hour forty-five minute classes which will provide information on basic engine knowledge including maintenance schedules and duty cycles. Will provide a glimpse at the diagnostic software available through Cummins to include QuickServe online, INSITE and Powerspec. This course will have access to an ECM if a deeper dive into diagnostics is appropriate. These classes will be Tuesday at 10:15 a.m. and 1:15 p.m.

CUMMINS WARRANTY, INSITE, QUICKSERVE ONLINE, and Q&A: Daniel Smithey and Grant Holland, Cummins, will conduct six (6) one hour and 45 minute sessions on general discussion of the Cummins Engine warranty and discuss your problems and how to solve them. These classes will be Wednesday at 8:00 a.m., 10:00 a.m., 1:15 p.m. and 3:15 p.m. and Thursday at 8:00 a.m. and 10:00 a.m..

DIAGNOSING MULTIPLEXED DATA BUS NETWORKS (S-EL06-74.01SEM): Wade Jackson, ACDelco/Genuine GM Parts, will conduct two (2) half-day classes on diagnosing complex network system failures, which is a challenge even for experienced technicians. In this seminar, technicians will focus on diagnostic strategies to hone their problem solving skills for serial data failure modes in multiplex networks. Included network protocols: CAN, LIN, GMLAN, MOST®, and repair methods will be covered. These classes will be Tuesday at 8:00 am and 1:15 pm.

DO LUBRICANTS MAKE A DIFFERENCE IN BUS FLEETS? Jon or Greg White, Schaeffer Manufacturing Co. Will conduct one (1) one hour and 45 minutes class on: Have you lost a king pin recently? How often do you grease your buses and what is your procedure? How do you store your lubricants? What is your drain intervals on transmissions? Do you get water in your rear ends or seal leakage? Is conventional oil the best for the newer engines? Can you reduce fuel consumption with different oils? What does tradition have to do with lubricants? Is there a difference between price and cost when it comes to lubricants? Why consider using 10w30 diesel oil verses 15w40? Can Synthetic oils make a difference? Is your current oil API approved and why should it be certified? Class is Wednesday at 8:00 a.m.

DRIVER FILES, RECORD CHECKS & DRIVER CERTIFICATION : DPSAFT will conduct two (2) one hour and 45 minute classes on the requirements and laws associated with maintaining records of school bus drivers. Also discussed are the procedures for maintaining records, establishing a procedure for notifying drivers of upcoming renewal of physicals and licenses, how long to retain the files and the bus driver certification. **Class** is Monday at 10:00 a.m. and Wednesday at 8:00 a.m and Thursday at 1:15.

DPSAFT IN-SERVICE CLASS (2018-2019): Marvin Parks, School Bus Driver Trainer, (DPSAFT), will conduct two (2) half-day classes. The class will cover skills, safety, laws and what to expect when getting the CDL. On completion of the class, the DPSAFT certification for the **2019-2020 school year** will be issued. Classes are Monday 1:15 p.m., and Thursday at 8:00 a.m.

ENGINE MANAGEMENT AND POST-PROCESSING CUMMINS EPA10-13: Lee Locklear in association with Texa, S.p.A. , Sponsored by Mobile Distributor Supply will conduct four (4) half-day classes on analysis of fuel supply circuit, the electrical sensors, description of the SCR system, integration with the DPF system, testing the system and encodings and settings and much more. Course material subject to change. These classes will be Monday at 1:15 p.m., and Tuesday at 8:00 a.m., Wednesday at 1:15 p.m. and Thursday at 8:00 a.m.. Limited to 20.

FAN CLUTCHES: Stephen Borders, Borg Warner/Delco Remy (sponsored by Armature Service) will be conducting one (1) one hour and 45 minute classes. The objective of this course will be understand the operation & application of thermal viscous fan clutches, on/off fan clutches & 2 speed fan clutches. This course will also cover the repair procedure of the on/off air operated clutches. Class is Wednesday at 1:15 p.m.

FAN DRIVE INSTALLATION AND TROUBLESHOOT: Mitch Bieber, Horton Inc., sponsored by Central States Bus Sales, will conduct three (3) one hour and forty five minute classes on an overview of Blue Bird applications for Horton units as well as all makes application for Horton use. Will cover from older units to current. In depth on how they work and how to troubleshoot and install. These classes will be Wednesday at 1:15 and 3:15 p.m. and Thursday at 8:00 a.m.

FORKLIFT TRAINING: Jason Moix, of Conway High School, will conduct two (2) half day classes on learning the proper way to operate class I, IV, V & VII Vertical Mast forklift operation. Trainees will need to pass a written test and driving test. After successful completion of training and test attendees will be issued a license. Classes are Monday 1:15 p.m., and Thursday 8:00 a.m. Classes are **limited** to 15.

FOUNDATION BRAKE & SLACK ADJUSTER CLINIC: Todd Heim, (sponsored by Stemco) will teach four (4) one hour and 45 minute classes covering examination of old components, brake shoe installation, slack adjuster installation and trouble shooting. Classes will be held at the Conway Bus Shop on Tuesday at 8:00 a.m., 10:00 a.m., 1:15 p.m. and 3:15 p.m.

FRONT END, ACCESSORY DRIVE TROUBLE-SHOOTING & COOLANT SYSTEMS: Scott Clement, of Gates Rubber (sponsored by Crow-Burlingame Co.) will conduct two (2) one hour and 45 minute

classes. In-depth instruction and analysis of the ABDS system including: HD Belts, HD tensioners, HD hoses and couplings and problem-solving tips and services. Classes are Wednesday at 8:00 a.m. and 1:15 p.m.

FUELS FOR TODAY'S MARKET: **Jim Lawrence** (sponsored by Chemsearch RLS) will conduct two (2) one hour and forty five minute classes. Fuels that are present in today's market and what you can expect to see in the future. In this down-to-earth seminar, participants will learn the truth about the performance and the scams pertaining to what is one of the largest problems that has faced those who drive engines powered by diesel, bio diesel, blended fuel, CNG, LNG, E-85, E-15 and gasoline. Due to a combination of issues including government regulations, engine technology, storage problems, refining process and fuel companies that creates a perfect storm in today's world. **Class** will be Monday 1:15 p.m. and Tuesday at 8:00 a.m.

INTERNATIONAL ON COMMAND BUS SERVICE INFORMATION PORTAL NAVIGATION: **Jim Horton**, Summit Bus, will conduct one (1) one hour forty-five minute class that will explore all aspects of navigating the Bus Service Information portal. To include wiring diagram interpretation, Service and Diagnostic Manual navigation, and other information. This class will be Tuesday at 8:00 a.m.

INTRODUCTION TO DIAMOND LOGIC BUILDER SOFTWARE AND ELECTRICAL SYSTEM: **Jim Horton**, Summit Bus, will conduct one (1) one hour forty-five minute class that will provide an explanation of the Diamond Logic electrical system and navigating Diamond Logic Builder software for diagnostics. This class will be Tuesday at 1:15 p.m.

"IS MY BUS SHOP SAFE AND IN COMPLIANCE WITH THE LAW?": **Dale Guyse and Jim Killer** of Environmental Safety & Compliance, Inc. will host four (4) one hour and 45 minute classes on "What about my shop, or building and equipment, bulk fuel storage and other hazardous chemical rules, and what do I need to know about Arkansas Department of Transportation rules?" There will be an open discussion time on topics from driver files to emergency procedures (fire, severe weather, accidents). Classes are Tuesday at 8:00 a.m., 10:00 a.m., 1:15, and 3:15 p.m.

KING PINS AND WHEEL SEALS: **Chuck Sorrow** (sponsored by Stemco) will teach three (3) one hour and 45 minute classes on king pin installation and removal, king pin inspection, wheel seal installation, Technology Maintenance Council bearing adjustment procedure, bearing inspection, and using a dial indicator to check bearing endplay. Classes will be held at the Conway Bus Shop on Monday at 10:00 a.m., 1:15 and 3:15 p.m.

LOCKOUT/TAGOUT- STORED ENERGY AND SHOP SAFETY: **The Department of Labor** will conduct two (2) one hour and forty five minute classes on the understanding of the lockout/ tagout-stored energy OSHA regulation 29 CFR 1910.147 and the NFPA 70E electrical code requirements. Will introduce various types of active and stored energy sources and the controls necessary for employee protection. And will also learn about specific practices and procedures that safeguard employees from the unexpected energization, starting, of machinery, or the release of hazardous energy during maintenance. Stored energy topics such as properly chalking tires, air hoses, hydraulic hoses, and much more will be discussed. These classes will be Tuesday at 10:00 am and 1:15 pm.

LOONEY'S TIRE PLANT TOUR FOR 2019: **Looney's** on the edge for updated technology in tire manufacturing and retreading. **Tour** is Tuesday 8:00 a.m. and Wednesday at 8:00 a. m. Bus will leave at 7:45 a.m.

NEW DETROIT ENGINES FOR THOMAS BUILT BUSES: **Midwest Bus Sales**, will conduct two (2) one hour and 45 minute classes. We will talk about the two new model engines DD5 and the DD8 design and benefits that will soon be available in Thomas Built Buses. Classes are Monday at 10:00 a.m. and 3:15 p.m.

NEW MECHANICS SEMINAR: **Paul Maddox**, Clinton School District, will conduct two (2) one hour and 45 minute classes for all new mechanics. All new mechanics should take this course. Focus of the class will be familiarization of the workshop and the association. Classes are Monday at 10:00 a.m. and 3:15 p.m.

ONCOMMAND CONNECTION: **Katie Scott**, Summit Customer Service Coordinator, will conduct one (1) one hour forty-five minute classes will provide an in depth look at the OnCommand Connection program including telematics and its ELD, electronic mapping, health reports, fault code action plans and on air programming. This program is the future of IC Bus maintenance and diagnostics. OnCommand comes standard on all IC buses purchased after July 1st 2018. This class will be Tuesday at 1:15 p.m.

ON-LINE RECORDS USING GOOGLE: **Matt Valentine**, Warren School District will conduct three (3) one hour and forty five minute classes on record keeping and organization class for both mechanics

and directors. It's a way of keeping everything at hand no matter where you are in the state at a moment's notice. It sends reminders to your drivers and you automatically for license expiration, physical expiration meetings and trips. These classes will be Thursday at 8:00 and 10:00 am and 1:15 pm.

OPERATION LIFESAVER: Ron Hale, Operation Lifesaver Coordinator for Arkansas, will present two (2) classes on railroad safety. Classes are on Monday at 1:15 p.m. and 3:15 p.m.

PAINT SEMINAR : Aaron Hennessee, Conway School Transportation, will conduct three (3) half-day classes on basic automotive painting & fiberglass repair. Crow Burlingame will also sponsor a 30 minute presentation and supplies for the class. This class is limited to 15. Classes are at 8:00 a.m. on Tuesday, Wednesday, and Thursday. **Buses will leave at 7:45 a.m.**

PPE (PERSONAL PROTECTIVE EQUIPMENT) AND LADDER SAFETY: The Department of Labor will conduct two (2) one hour and forty five minute classes will be provided with information on what is PPE and how it is used to create a protective barrier between a worker and hazards in the workplace. The various types of PPE available and what types of PPE are required in the workplace for certain job tasks. PPE includes such equipment as chemical resistant gloves, safety shoes, hard hats, safety glasses, respirators, and clothing such as gowns and aprons. Will also discuss proper ladder selection, care and safe use of all ladders, how to properly ascend and descend a ladder, ladder inspection requirements, and much more. These classes will be Wednesday at 10:00 am and 1:15 pm.

PRE-TRIP INSPECTION AND SCHOOL BUS INSPECTIONS: Jeremy Poole, (DPSAFT) will conduct three (3) one hour and 45 minute class on performing a complete pre-trip inspection and school bus inspection. CDL guidelines will be addressed in this class. Class is Monday at 10:00 a.m., Tuesday at 10:00 a.m. and Wednesday at 3:15 p.m.

RECORD KEEPING (MAINTENANCE & REPAIR): Vaudie McAfee, Beebe School District, will conduct one (1) one hour and 45 minute classes on how maintenance and repair is documented on each bus. This record keeping is detailed and maintained on 44 school buses. Classes are Thursday at 8:00 a.m. and 1:15 p.m.

REFRIGERATION DIAGNOSTICS AND SERVICE PROCEDURES (S-AC07-07.01SEM): Wade Jackson, ACDelco/Genuine GM Parts, will conduct two (2) half-day classes, which are designed for technicians with prior understanding of the refrigerant cycle and system operation, this seminar will provide technicians with techniques and strategies required to isolate the root cause and perform repairs of failures in R-134a and R-1234yf equipped Air Conditioning (A/C) systems. The use of pressure-temperature and humidity readings as a diagnostic aid will be the foundation of the course. Specific component diagnosis includes variable displacement compressors, electrically driven compressors, refrigerant metering devices, Internal Heat Exchangers (IHX), enhanced evaporators and condensers. This course will include simulated diagnostic exercises to apply the principles learned. These classes will be Wednesday at 8:00 am and 1:15 pm.

RICON WHEELCHAIR LIFT OPERATION AND MAINTENANCE: Tony Ward, Ricon Wheelchair Lift Corporation, will conduct one (1) one hour and 45 minute classes on operation and maintenance of the wheelchair lift. **Classes** are Monday 10:00 a.m.

SMALL ENGINE REPAIR: Keith Baier, will conduct three (3) one hour and 45 minute classes on small engine diagnosis and repair for those mechanics that also have to maintain and repair the district machinery used for grounds keeping and maintenance. Classes are Thursday at 8:00 a.m., 10:00 a.m. and 1:15 p.m.

SOUTHERN TIRE MART PLANT TOUR: Kenneth Post will conduct one (2) half day tours on the fundamentals of retreading. These classes will be Wednesday at 8:00 a.m. (bus leaving at 8:15) and 1:15 p.m. (bus leaving at 12:00). LUNCH WILL BE PROVIDED.

SPECIFICATIONS GOVERNING SCHOOL BUS DESIGN: Jerry Owens, (DPSAFT) will conduct two (2) one hour and 45 minute classes on the Arkansas Minimum Specifications Governing School Bus Design. This course will cover how the specifications are developed and how they affect school districts when purchasing and maintaining public school buses. Classes are Monday at 10:00 a.m. and Tuesday at 1:15 p.m.

STUDENT DISCIPLINE: Bryant School District, will conduct five (5) classes on the Importance of building positive relationships with students. We will talk about how the how important it is to establish a positive relationship with the students who ride the school bus. Also, discuss the positive results of

having a positive result as it relates to bus discipline. Classes are Monday at 10:00 a.m., 1:15 and 3:15 p.m. and Tuesday at 10:00 a.m. and 1:15 p.m.

TECH / INSPECT – WHY YOU SHOULD PARTICIPATE: John Schooley, (DPSAFT) School Bus Inspector, will conduct a one hour and 45 minute overview of the competitions that will be held on Tuesday and Wednesday, as well as an explanation of the national competition. Sit in and find out how the competition will be conducted and how it can benefit you! **Class** is Monday at 3:15 to 5:00 p.m.

THE ULTIMATE LUBRICATIONS FOR THE UPCOMING FLEETS OF TOMORROW: Jim Lawrence, (Sponsored by Chemsearch RLS) will conduct two (2) one hour-forty five minute classes. Proposed category 11(PC-11) changes in Lubrication initiative and updates on Organization Engine Manufacturer (OEM), American Petroleum Institute (API) and Lubrication Manufactures. This session will discuss lubrication changes on additives, classification, category, efficiency, stability, technology and more on future fleets. This is heavy on common sense and open for discussion, recommendation and experiences with your present and future fleets. Classes are Monday 3:15 p.m. and Tuesday at 1:15 p.m.

THOMAS C-2 MULTIPLEX WIRING DESIGN AND TROUBLESHOOTING: Midwest Bus Sales, will conduct one (1) half-day class. This is an advanced troubleshooting class for the multiplex wiring system on C2 school buses. Training on using computer software to help diagnosis electrical problems and trace down shorts and non-functioning consumers. This class will be Tuesday at 8:00 a.m.

THOMAS BUILT BUS ONLINE / DTNA CONNECT- ONLINE RESOURCES : Midwest Bus Sales, will conduct two (1) one hour and 45 minute classes. We will talk about and demonstrate the proper use and advantages of both the Thomas Built Bus and DTNA connect websites. This class will be Monday at 1:15 p.m.

THOMAS/FREIGHTLINER/DAIMLER DIAGNOSTIC LINK: Midwest Bus Sales will conduct two (2) one hour and 45 minute classes on the new Diagnostic Link software and Service Link. Software which is used to help facilitate the proper and timely diagnosis of electrical issues with the C2 Thomas bus. These classes will be Tuesday at 1:15 and 3:15 p.m.

TRAINING FOR TIE-DOWNS: Janet Clarke, DPSAFT trainer, will offer two (2) classes Wednesday on the installation, use and maintenance of the wheelchair restraint system. Classes are at 8:00 a.m. and 10:00 a.m.

VANTAGE: WHAT CAN IT DO FOR YOUR FLEET?: Jim Haffarnan (Blue Bird) and Randy Schumacher (Central States Bus Sales) will conduct three (3) half-day hands on classes looking up parts, getting schematics, checking on warranty and how the district can get connected. These classes will be broken up into groups so you will be able to work from a computer and ask questions. If your shop has a lap top feel free to bring it with you to get your computer set-up on vantage. If your shop is already on vantage bring your user name and login. These classes will be on Wednesday at 8:00 a.m. and 1:15 p.m. and Thursday at 8:00 a.m.

VIDEO SECURITY AND GPS DATA ON SCHOOL BUSES: Bill King, KLC Video Security, will conduct two (2) one hour and 45 minute classes on how to install cameras and DVRs in school buses, how to retrieve video and GPS data from equipment, and how to send video to different campuses and buildings without leaving your office. Classes are Wednesday at 10:00 a.m. and 1:15 p.m.

WHY SHOULD YOU TAKE SAMPLES OF FUEL, ENGINE OIL AND TRANSMISSION FLUIDS? Jon or Greg White, Schaeffer Manufacturing Co. Will conduct one (1) hour and 45 minutes class on: What samples tell you about your equipment? The proper way to take an oil sample and how often? When and why would you take a sample? The proper way to take a transmission samples. Will samples protect you against engine manufacturers in a warranty issue? How to sample fuel tanks and how often? Do you need to take oil samples when extended periods on oil drains? How to prepare a sample for mailing to get it through the post office? Class is Thursday at 1:15 p.m.

Wix Filtration: Jay Anderson, Wix Corporate Trainer,(sponsored by Crow-Burlingame Co.) will conduct four (4) one hour and 45 minute classes on the benefits of Cooling System Maintenance (organic acid and traditional formulations, filtration, etc.) alternative fuels and changing emissions regulations and how they relate to fuel delivery systems maintenance. Classes are Tuesday at 8:00 a.m., 10:00 a.m., 1:15 p.m. and 3:15 p.m.