

**ASBMA MECHANICS WORKSHOP – CONWAY HIGH SCHOOL**  
**COURSE DESCRIPTIONS**  
**JUNE 13 - 16, 2016**

**A FUEL CHALLENGE for 2016:** **Greg White**, Schaeffer Manufacturing, will teach one (1) one hour and 45 minute class on: Water in your fuel Tanks. Carbon build up on Fuel Filters. Fuel Long Term Storage. How do you know you are getting the quality fuel that you ordered. What does cetane do in your fuel system. Trouble free Injectors. Increase fuel economy. Solution to winter fuel problems. **Class** is Thursday at 8:00 a.m.

**A GREASY EDUCATION:** **Greg White**, Schaeffer Manufacturing, will conduct one (1) one hour and 45 minute class on: Learn what a difference in grease base holder makes. What does tackifier do for you. Know type of Oil is in your grease. How much grease is too much? Stopping king pin and bearing wear. How often should you grease your equipment? How to store grease. What is the best grease distribution system for you. **Class** is Wednesday at 8:00 a.m.

**ACUTREAD TIRE PLANT TOUR:** **Fleet Tire & Retreading, Inc.** will conduct two (2) half - day plant tours. We use technically advanced equipment to achieve a precise remanufactured tire. Our equipment molds the tread on the tire and will create an overall diameter within 1/32 on an inch on every tire produced. We will run you through the process and show you the equipment that makes this possible. **Classes** are Tuesday with the bus leaving at 8:00 a.m. and 1:15 p.m.

**A/C PREVENTATIVE MAINTENANCE AND TROUBLESHOOTING:** **Rick Coffman**, a representative of American Cooling Technology, will conduct four one hour and 45 minute 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. **Class is limited to 20 mechanics.** **Classes** are Monday and Tuesday at 10:00 a.m., 1:15 p.m., and 3:15 p.m.

**AIR CONDITIONING MAINTENANCE AND TROUBLESHOOTING:** **Jordan Holbert**, Trans Air (sponsored by Summit Bus), will conduct two (2) half day classes on the “Trans Air” air conditioning systems. The class will cover troubleshooting tips, systematic preventative maintenance procedures and will also include leak detection, electrical and refrigeration. **Classes** are Wednesday 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 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** are Tuesday and Wednesday at 8:00 a.m. and 1:15 p.m. **Class is limited to 12 per class.** 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 per class.** ONLY THOSE REGISTERED WILL BE ADMITTED.

**BATTERY TECHNOLOGY & TOUR:** **David Burks**, sponsored by Armature Service, will conduct two (2) half day classes on battery technology for flooded type & AGM (Absorbed Glass Mat) type batteries. The objective of this course will be to show the proper charging & testing for both types of batteries. In addition to class, a tour of Armature Service’s new 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.). Due to safety regulations all participants must wear closed toed shoes and no one under the age of 18 will be able to attend this class. These tours will be on Wednesday at 8:00 a.m. and 1:15 p.m. Lunch will be provided for both classes. **Class is limited to 20 per class.**

**BLUE BIRD MULTI-PLEX SYSTEM & MAINTENANCE AND DIAGNOSTICS:** **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 trouble shooting on Blue Bird's Transit and Conventional Buses. **Classes** are Tuesday and Wednesday 8:00 a.m. and 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 8:00 a.m., 10:00 a.m., 1:15 p.m., and 3:15 p.m.

**BRAUN WHEELCHAIR LIFT OPERATION AND MAINTENANCE:** **Jeff Tellez**, Braun Wheelchair Lift Corporation, will conduct five (5) one hour and 45 minute classes on operation and maintenance of the wheelchair lift. **Classes** are Monday at 3:15 p.m. and Tuesday at 8:00 a.m., 10:00 a.m., 1:15 p.m., and 3:15 p.m.

**CHARGING AND STARTING ELECTRICAL SYSTEMS:** **Marion Jett**, Leece-Neville-Prestollte Corporation (sponsored by Summit Bus), will conduct three (3) one hour and 45 minute classes on charging and starting systems, including battery issues. **Classes** are Wednesday at 1:15 p.m. and 3:15 p.m. and Thursday at 8:00 a.m.

**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 ENGINES MAINTENANCE FUNDAMENTALS:** **Joe Peyer**, Lead Diagnostic Technician, Cummins Mid-South, will conduct four (4) one hour 45 minute classes on key component familiarization, diagnostic/troubleshooting techniques and process and service/maintenance techniques for the midrange (ISB, ISC, ISL) Cummins engines. This class will also cover the use of Cummins Insite, Quick Serve Online, and other helpful Cummins testing equipment and processes. **Classes** are Wednesday at 8:00 a.m., 10:00 a.m., 1:15 p.m., and 3:15 p.m.

**CUMMINS ENGINE OPEN FORUM/ROUND TABLE:** **Emmanuel Okhuire**, Cummins Field Service Engineer and Grant Holland, Service Manager, Cummins Mid-South, will conduct three (3) one hour 45 minute classes covering the complete Cummins Engine and Support offerings. This will include engine and aftertreatment technology, maintenance/service and warranty. **Classes** are Thursday at 8:00 a.m., 10:00 a.m., and 1:15 p.m.

**DRIVER FILES, RECORD CHECKS & DRIVER CERTIFICATION:** **DPSAFT School Bus Inspector**, will conduct two (2) one hour and 45 minute class 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. **Classes** are Monday at 10:00 a.m. and Wednesday at 8:00 a.m. and Thursday at 1:15 p.m.

**DPSAFT IN-SERVICE CLASS (2016-2017):** **Marvin Parks**, School Bus Driver Trainer, (DPSAFT), will conduct four (4) 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 **2016-2017 school year** will be issued. **Classes** are Monday 1:15 p.m., Tuesday at 8:00 a.m. and 1:15 p.m., Wednesday at 1:15 p.m., and Thursday at 8:00 a.m.

**DIESEL EXHAUST FLUID TECHNOLOGY:** **Lee Hammler**, ACDelco, will conduct four (4) one hour and 45 minute classes on an overview of the DEF system along with maintenance tips and general guidelines for handling and disposition. **Classes** are Wednesday at 8:00 a.m., 10:00 a.m., 1:15 p.m., and 3:15 p.m.

**ELECTRICAL DIAGNOSTIC TRAINING:** **STEPHEN BORDERS**, Delco Remy Heavy Duty Systems, will conduct four (4) one hour and 45 minute classes on a brief overview of the electrical system, discussing voltage drop and its effects on the electrical system, steps to take when diagnosing an electrical issue,

and technological improvements to starters and alternators. **Classes** are Wednesday at 10:00 a.m. and 1:15 p.m., and Thursday at 8:00 a.m. and 10:00 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 limited to 15 per class.**

**FOUNDATION BRAKES:** **David Jordan of Haldex**, (sponsored by Summit Bus) will conduct (4) one hour and 45 minute classes on foundation brakes. Topics covered will include the necessity of proper foundation maintenance for good automatic slack adjuster operation, brake drum replacement criteria, selecting correct friction material, correct initial brake adjustment, troubleshooting the system. **Classes** are Wednesday at 1:15 p.m. and 3:15 p.m., and Thursday 8:00 a.m. and 10:00 a.m.

**FOUNDATION BRAKE & SLACK ADJUSTER CLINIC:** **Todd Heim**, (sponsored by Stemco), will teach three (3) 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**, 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. **Classes** will be Monday at 1:15 p.m. and Tuesday at 8:00 a.m.

**HEAVY DUTY BRAKE CERTIFICATION AND WHEEL END TRAINING:** **Matt Cupp**, Federal-Mogul will conduct three (3) one hour and 45 minute classes on D.O.T. heavy duty brake certification and wheel end trouble shooting and maintenance, including wheel seal and bearing installation. Recommended bearing adjustment will also be covered. **Classes** are Wednesday at 1:15 p.m. and 3:15 p.m., and Thursday at 8:00 a.m.

**IC BUS ELECTRONICS:** **Jim Nichoals**, (Sponsored by Summit Bus) will conduct (3) one hour and 45 minutes classes on understanding diagnostics of the IC Bus electronics. **Classes** are Wednesday at 10:00 a.m. and 3:15 p.m., and Thursday at 10:00 a.m.

**IC BUS QUESTION AND ANSWER SESSION:** **Andy Koone**, Summit Bus, and **Jim Nichoalds**, Summit Truck, will hold two (2) one hour 45 minute sessions on any IC bus related issues. **Classes** are Monday at 1:15 p.m. and 3:15 p.m.

**INTERNATIONAL BUS MAINTENANCE:** **Jeff Yates**, Navistar (Sponsored by Summit Bus), will teach three (3) one hour and 45 minute classes which will discuss all maintenance intervals and the importance of these regularly scheduled maintenance programs. **Classes** are Wednesday at 8:00 a.m., 10:00 a.m., and 3:15 p.m.

**INTERNATIONAL IN-LINE 6 ENGINES: (DT466, DT570, and MaxxForce DT):** **Jim Nichoalds**, (Sponsored by Summit Bus) will be teaching (4) one hour and 45 minute classes of standard operation, maintenance, and diagnostics of International in-line 6 engines. **Classes** are Tuesday 8:00 a.m., 10:00 a.m., 1:15 p.m., and 3:15 p.m.

**INTERNATIONAL PARTS & SERVICE TOOLS:** **Jeff Yates**, Navistar, International Truck and Engine Corporation (sponsored by Summit Bus), will conduct two (2) one hour and 45 minute classes on International parts and service programs available to customers, including service information, parts catalogs, and a parts inventory/vehicle maintenance system. *ON COMMOND, replaces BUS ISIS, web based tool to provide a lot of new up-to-the-minute information on chassis, body, and engines.* **Classes** are Thursday at 10:00 a.m. and 1:15 p.m.

**INTERNATIONAL V-8 ENGINE (T444E, VT 365, and MAXXFORCE 7):** **Jim Nichoalds** (Sponsored by Summit Bus), will be teaching (4) one hour and 45 minute classes of standard operations, maintenance, and diagnostics of V-8 engines. **Classes** are Wednesday 8:00 a.m. and 1:15 p.m., and Thursday at 8:00 a.m. and 1:15 p.m.

**“IS MY BUS SHOP SAFE AND IN COMPLIANCE WITH THE LAW?”**: Dale Guyse and Jim Killer, 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 p.m., and 3:15 p.m.

**KING PINS AND WHEEL SEALS**: Chuck Sorrow, (sponsored by Stemco), will teach four (4) 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 p.m., and 3:15 p.m.

**LET’S TALK CUMMINS ENGINE**: David White and Cord Jones, G & W Diesel, will conduct six (6) one hour and 45 minute sessions on general discussion of the Cummins Engine. Let’s discuss and solve problems. **Classes** are Tuesday at 8:00 a.m., 10:00 a.m., 1:15 p.m., and 3:15 p.m.

**LOONEY’S TIRE PLANT TOUR FOR 2016**: Looney’s on the edge for updated technology in tire manufacturing and retreading. **Tours** are Monday at 1:15 p.m., Tuesday at 8:00 a.m. and 1:15 p.m., and Wednesday at 8:00 a.m. and 1:15 p.m. **Bus will leave at 12:45 p.m. on Monday. On Tuesday and Wednesday the bus will leave at 7:45 a.m. and 12:45 p.m.**

**LUBRICANTS FOR TODAY’S FLEET**: Greg White, Schaeffer Manufacturing, will conduct one (1) one hour and 45 minute classes on why does grease wash and shock out of king pins and bearings? Characteristics of grease: holder, oil, tackifier, and additives. Is there one transmission fluid for all transmissions? Why transmissions fail. What to look for in a gear lube to extend the life of seals and gears. Motor Oil and the variations available today; naphthenic, paraffinic, re-refined, types of synthetic and combinations of all. Can oil stop engine wear and sludge buildup? Can oil increase MPG in a fleet? How can you reduce soot buildup caused by EGR systems? Does your oil, in writing, meet current engine manufacturer’s standards? About the new oil specifications. 65% of all mechanical problems are caused by importer lubricants. **Class** is Thursday at 10:00 a.m.

**MAINTENANCE & FLUSH FOR TRANSMISSIONS**: Michael Micheli, American Shifty, will conduct six (6) one hour and 45 minute classes on maintenance and flush on the 2000 and 2500 series transmissions. **Classes** are Monday at 10:00 a.m., 1:15 p.m., and 3:15 p.m. and Tuesday at 10:00 a.m., 1:15 p.m., and 3:15 p.m.

**NEW MECHANICS SEMINAR**: Mike Simmons, Senior Transportation Manager, Division of Public School Academic Facilities and Transportation, 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.

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

**OZARKO TIRE PLANT TOUR**: Ozarko Tire will conduct two half day classes on tire retreading. **Tours** will be Tuesday at 8:00 a.m. and Wednesday at 8:00 a.m. Lunch will be provided. The bus will load at 7:45 a.m. each day.

**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 people. **Classes** are at 8:00 a.m. on Tuesday, Wednesday, and Thursday. **Buses will leave at 7:45 a.m.**

**POWER UP...BATTERIES for TODAY’S VEHICLES**: Lee Hammler, ACDelco, will conduct four (4) one hour 45 minute classes on Modern Battery construction. What to look for in your next battery. Common causes for battery failure. Important features in commercial, heavy duty batteries. Why do batteries run down, and how do we determine where the “juice” is going? Proper care and charging of the different battery types. **Classes** are Tuesday at 8:00 a.m., 10:00 a.m., 1:15 p.m., and 3:15 p.m.

**PRE-TRIP INSPECTION AND SCHOOL BUS INSPECTIONS**: School Bus Inspector, will conduct one (1) 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 Tuesday at 10:00 a.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.

**RICON WHEELCHAIR LIFT OPERATION AND MAINTENANCE:** Tony Ward, Ricon Wheelchair Lift Corporation, will conduct two (2) one hour and 45 minute classes on operation and maintenance of the wheelchair lift. **Classes** are Monday 10:00 a.m. and 1:15 p.m.

**SMALL ENGINE REPAIR:** Jon Sturdivant, DPSAFT School Bus Inspector, will conduct a class 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 10:00 a.m. and 1:15 p.m.

**SPECIFICATIONS GOVERNING SCHOOL BUS DESIGN:** Mike Simmons, Sr. Transportation Manager (DPSAFT), will conduct one (1) 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. **Class** is Tuesday at 1:15 p.m.

**STARTING & CHARGING THE WORLD:** Vinny Menten & Jon Catron, BBB Industries Corporation (sponsored by O'Reilly Auto Parts), will conduct (4) one hour and 45 minute classes on the general discussion of rotating electric; including general guidelines, maintenance tips when dealing with issues, and our online parts identification system. **Classes** are Tuesday at 8:00 a.m., 10:00 a.m., 1:15 p.m., and 3:15 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! **Classes** are Monday at 3:15 p.m. 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/FREIGHTLINER/DAIMLER ONLINE WEBSITE TRAINING:** Tom Jenkins, Midwest Bus Sales, will conduct two (2) one-hour and 45 minute classes on looking into what Thomas/Freightliner has to offer for mechanics online and how to obtain access and navigate the system. **Classes** are Monday at 10:00 a.m. and 1:15 p.m.

**THOMAS C-2 FAMILIARIZATION/MULTIPLEX WIRING DESIGN AND**

**TROUBLESHOOTING:** Tom Jenkins, Midwest Bus Sales, will conduct two (2) one-hour and 45 minute classes on learning the Thomas C2 Product and training on the 100% multiplex school bus. **Classes** are Tuesday at 8:00 a.m., and 10:00 a.m.

**THOMAS TRANSIT EF AND HDX DESIGN AND WIRING TROUBLESHOOTING:** Tom Jenkins, Midwest Bus Sales, will conduct two (2) one-hour and 45 minute classes on learning the Thomas C2 Product and training on the 100% multiplex school bus. **Classes** are Monday at 3:15 p.m. and Tuesday at 1:15 p.m.

**TIRES:** Steve Gray, (sponsored by Looney Tire) will conduct four (4) one hour and 45 minute classes on the basics of tires, and how retreading reduces your tire cost. **Classes** are Monday at 1:15 and 3:15 p.m., and Tuesday at 8:00 a.m. and 1:15 p.m.

**TIRES, THE REST OF THE STORY:** Greg White, Schaeffer Manufacturing, will conduct one (1) hour and 45 minute class on: How to keep tires at the same air pressure. Learn how to reduce fuel consumption with proper inflated tires. Reduce temperature in tires by 20%. Reduce wear by 20%. New technology for today's tire to be more efficient. **Class** is Wednesday at 10:00 a.m.

**TRAINING FOR TIE-DOWNS:** Janet Clarke, DPSAFT trainer, will offer four (4) classes Wednesday on the installation, use and maintenance of the wheelchair restraint system. **Classes** are at 8:00 a.m., 10:00 a.m., 1:15 p.m., and 3:15 p.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.

**VIDEO SURVEILLANCE REAL-TIME GPS AND DIAGNOSTIC:** **Bill Skidmore**, Radio Engineering Industries (sponsored by Central States Bus Sales), will conduct five (5) one hour and 45 minute classes on what's new in the industry, stop-arm cameras, camera observation systems, SD Systems versus Hard Drive systems and much more. **Classes** are Monday 10:00 a.m., 1:15 p.m., and 3:15 p.m., and Tuesday 8:00 a.m. and 10:00 a.m.

**WHAT IS THE BIGGEST CHALLENGE OF SCHOOL TRANSPORTATION?:** **Tom Farmer**, Bryant School District, will conduct five (5) classes on this topic. People do not grow up saying I want to be a bus driver or in the school bus business so what makes a person become a bus driver? This will be the question we ask and answer but the other question we will address is when someone does become a school bus driver what keeps them driving the bus. I have people that have been driving for me for the last 25 years. We will attempt to answer both questions Recruitment and Retainment. **Classes** are Monday at 10:00 a.m., 1:15 p.m., and 3:15 p.m., and Tuesday at 10:00 a.m. and 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.