

**AVI** ON DEMAND  
EXPERT TRAINING FOR THE AUTOMOTIVE PROFESSIONAL



# EDUCATOR CATALOG



Accredited Training Provider

# ABOUT



Automotive Video Innovations (AVI) was founded in 1994. AVI is an ASE Accredited Training Provider for the automotive industry. The mission of AVI is to produce automotive repair training courses and information for the automotive aftermarket, providing current and future repair technicians with the highest level of technical training available.

AVI produces automotive technician training for online OnDemand, instructor-led courses, technical training manuals and other media, with a commitment to continually update this training to stay in-step with the evolution of automotive technology.

Presently our offerings consist of 1,000+ hours of online training content, ASE Master Certified instructors for live, on-site, and virtual training, and a robust offering of training aids for educators.

**6280 Arc Way, Fort Myers, FL 33966 || 800-718-7246 || [www.aviondemand.com](http://www.aviondemand.com)**

# UNLIMITED EDUCATOR PASS



Accredited Training Provider

## **1,000+ HOURS OF TRAINING TO ENHANCE YOUR TECHNICAL PROGRAMS**

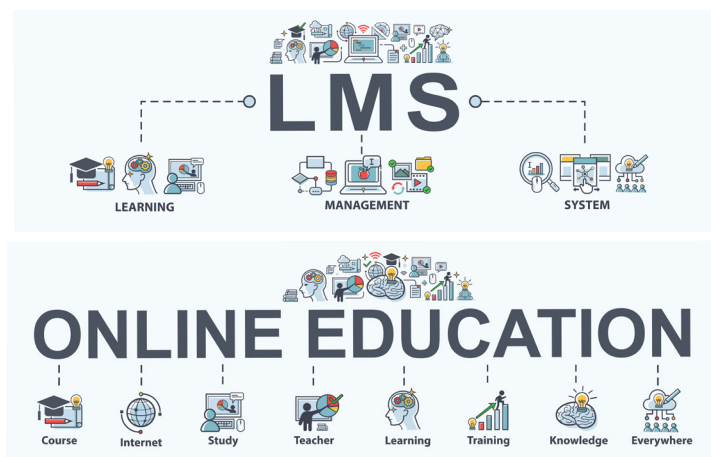
The Unlimited Educator Pass provides instructor-led video training that includes ASE Test Prep, Engine Performance, Electrical, Brakes, Suspension & Steering, Maintenance & Light Repair, Hybrid, Diesel, Alternative Fuels, Driver Assisted Technology and more to compliment your curriculum.

**UNLIMITED SEATS FOR YOUR STUDENTS ★ ONE LOCATION PER PURCHASE**

*Download Reports  
Pre and Post Tests  
Print & Download Certificates  
NATEF CE Credits  
New Courses Added Monthly*



*Assign Courses  
Set Due Dates  
Track Student Progress  
Set Individual Learning Paths  
Monthly Live Online Training*



**INTEGRATION SERVICES AVAILABLE TO CONNECT WITH POPULAR PLATFORMS  
SUCH AS CANVAS, BLACKBOARD AND OTHERS ★ ADDITIONAL FEES MAY APPLY**



# UNLIMITED EDUCATOR PASS

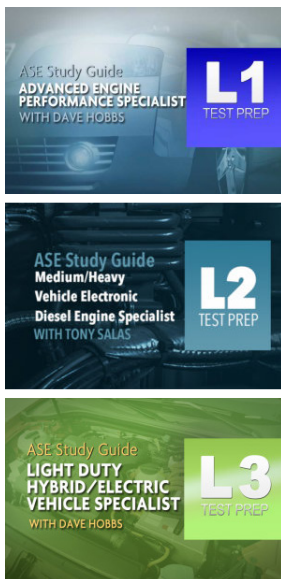


## CHOOSE FROM OUR SELECTION OF ASE BUNDLES

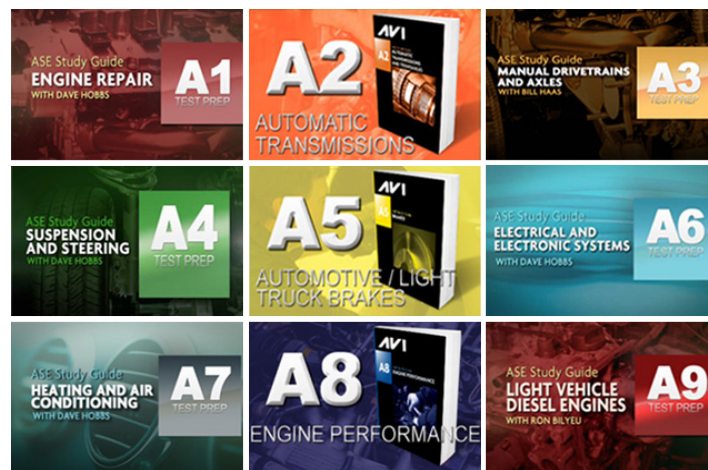
*Here at AVI, we know how important it is to proudly wear an  
ASE Certified Technician badge.*

*We provide the proper training needed to help students achieve their  
goals and wear that badge with pride.*

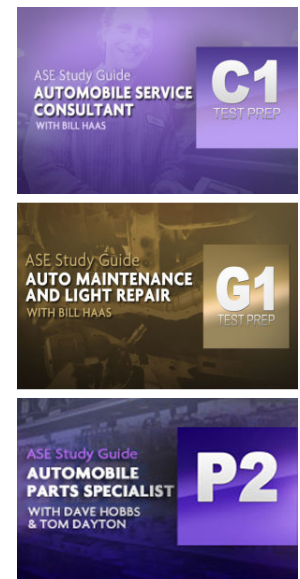
### L - SERIES



### A - SERIES



### SP - SERIES





# LIVE TRAINING OPPORTUNITIES

## CHOOSE FROM MOBILE INTERACTIVE TRAINING WORKSHOPS, LIVE CLASSROOM TRAINING, AND COACHING VIRTUAL TRAINING WITH THESE COURSE TOPICS

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### **HYBRID – ELECTRIC**

Diagnostic and repair techniques for automotive technicians working with high-voltage vehicles

### **ENGINE PERFORMANCE**

Classes available for beginners, intermediate or advanced students

### **DIESEL DIAGNOSTICS**

Extensive Ford Power Stroke, Duramax or Cummins, repair demonstrations and tips and service techniques on the most popular platforms

### **C.A.N. SYSTEMS**

Networking high and low speed circuits, nodes, sub-nodes, data bus circuitry and star vs. loop configurations

### **BRAKES**

Classes on basics, ABS systems or Air Brakes applications

### **ELECTRIC VEHICLE TECHNOLOGY**

Discuss safety, service procedures and what you need to have in your workspace to properly repair and diagnose EV vehicles

### **SCANNER / SCOPE**

Classes available for beginners, intermediate or advanced students

### **AIR CONDITIONING & HEATING SYSTEMS**

Practical service tips for HVAC systems as well as electric and hybrid heating and cooling systems

### **ELECTRICAL**

Classes available for beginners, intermediate or advanced students

### **HD EMISSIONS**

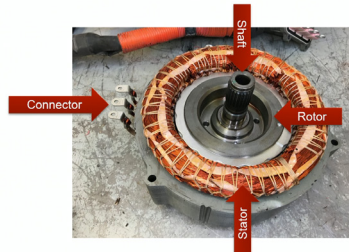
Covering emissions control on heavy duty applications

# HYBRID ELECTRIC CURRICULUM

**KEEP YOUR TECHNICAL TRAINING PROGRAM UPDATED  
WITH THE MOST CURRENT CONTENT AVAILABLE FOR THE SCHOOL MARKET**

## Main Components

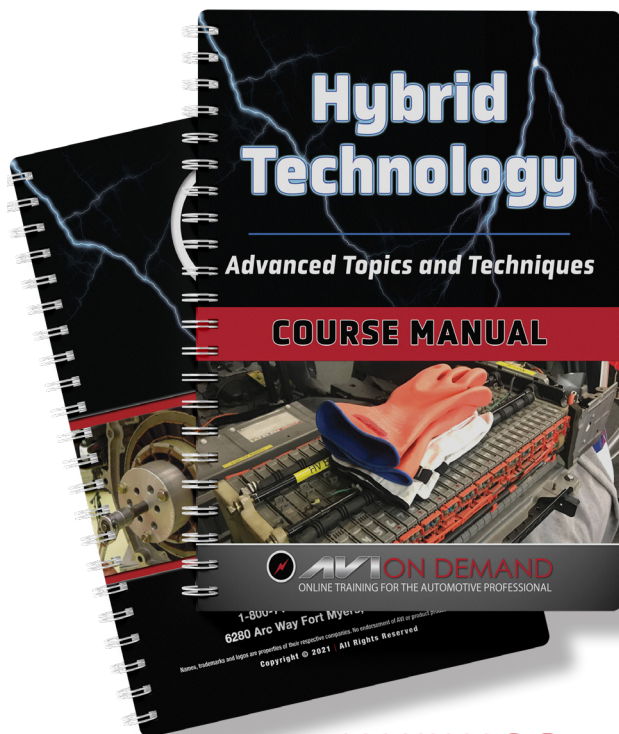
- Stator
- Rotor
- Shaft
- Bearings
- Three phase connector ends
- Position sensor



## DIGITAL SLIDE DECK

## TOPICS & TOOLS COVERED:

- *Electricity Fundamentals*
- *Testing Procedures*
- *Wiring Schematics*
- *Hybrid/EV Configurations and Components*
- *Safety*
- *Regenerative Braking*
- *EV Cooling Systems*
- *Scan Tool Diagnostics*



## MANUALS & WORKSHEETS

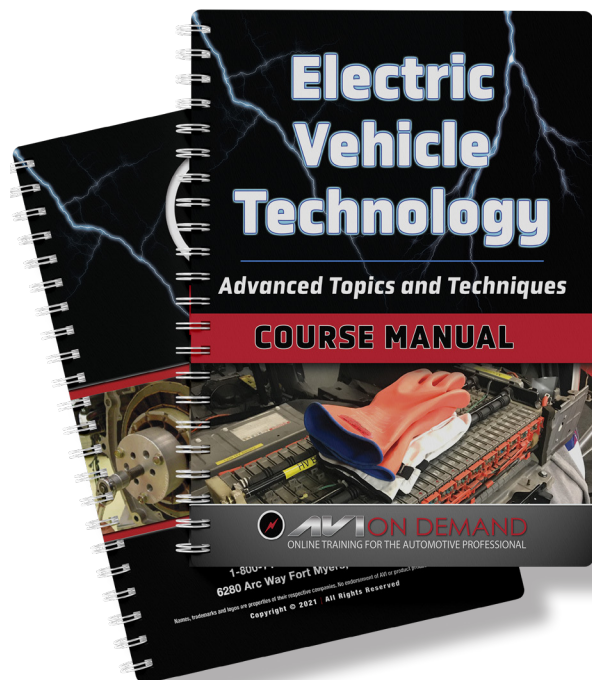


## VIDEOS

This curriculum package includes a digital slide deck, videos, manuals and worksheets – keeping you updated throughout the school year!

# ELECTRIC VEHICLE TECHNOLOGY CURRICULUM

**KEEP YOUR TECHNICAL TRAINING PROGRAM UPDATED  
WITH THE MOST CURRENT CONTENT AVAILABLE FOR THE SCHOOL MARKET**



## MANUALS & WORKSHEETS

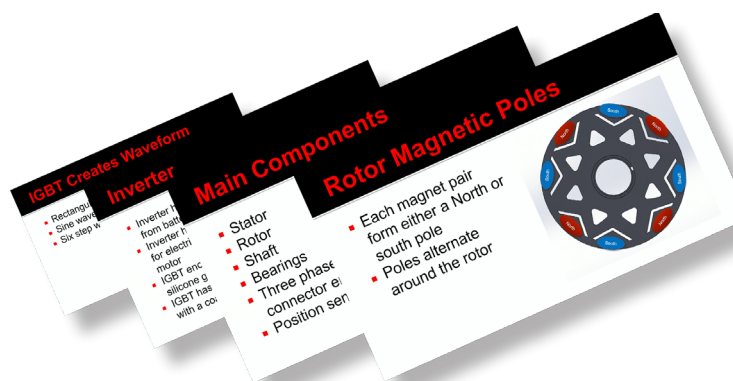
This curriculum package includes a digital slide deck, videos, manuals and worksheets – keeping you updated throughout the school year!



## VIDEOS

### TOPICS & TOOLS COVERED:

- *Lithium and Nickel Metal Hydride Batteries*
- *12 Volt and High Voltage Charging Systems*
- *CAN Bus, Data Streams, PIDs*
- *Cooling systems*
- *Regenerative Braking*
- *Volt Meters*
- *Scan Tools*
- *Lab Scopes*
- *Safety Equipment*



## DIGITAL SLIDE DECK

# ELECTRIC VEHICLE TRAINING AID

## ***INTRODUCING EVA***



Introducing AVI's latest innovation, The Electric Vehicle Training Aid aka EVA. From the company that brought you the award-winning cutaway hybrid vehicle, we are proud to unveil a totally self-contained, turn-key EV system simulator.

It was specifically designed to teach the fundamentals of high voltage electric vehicle diagnostics in a safe, controlled environment.

### **THIS TRAINING AID INCLUDES:**

- *NMH Battery Pack for safety*
- *Reversible 3 Phase Motor*
- *Traction Inverter*
- *C.A.N. Software*
- *Charging controller*
- *Regenerative Braking*
- *Liquid Coolant System*
- *Built-in Faults & Student Worksheets*

There are many advantages to using a compact training tool when space is an issue. With EVA, there is no need for an entire vehicle! There will be no obstructing parts or covers so you can access the area you need for testing, diagnosing and problem solving. Hands-on made easy!

EVA comes with a year subscription of curriculum. It includes slide deck with instructor notes, videos, worksheets, test questions and answers.



# HYBRID ELECTRIC CUTAWAY VEHICLE TRAINER



AVI's Hybrid Electric Cutaway vehicle trainer is an award-winning, fully operational electric vehicle training tool developed for static and active training scenarios dealing with servicing EV/ Hybrid vehicles.

This Hybrid Electric Cutaway vehicle trainer has most of its body removed so that the students can visually see and access the components that make this training tool unique.

The vehicle is also equipped with a duplicate copy of high voltage components that are disabled and unenergized so that the introductory practical lessons can be performed by the class in a safe, voltage-free environment.



**These Hybrid Electric Cutaway vehicle trainers can be used for the following training functions:**

- *Electricity Fundamentals*
- *EV / Hybrid Safety*
- *HV Battery Technologies*
- *Regenerative Braking*
- *EV Cooling Systems*

# ATS TOOLS: eTRAINER JR. EDUCATOR'S KIT



The ATS Tools: eTRAINER JR hands-on training simulator will cover the operation and testing of basic to advanced electronic circuits. This training program provides the student with a complete step-by-step course that will enable the student to understand what the voltage measuring instrument is conveying to the technician.

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## THESE ELECTRICAL SYSTEM SIMULATORS CAN BE USED FOR THE FOLLOWING TRAINING FUNCTIONS:

- *Series Circuit Testing*
- *Parallel Circuit Testing*
- *Series-Parallel Circuit Testing*
- *Lamp Circuit*
- *Motor Relay Circuit*
- *Throttle position Sensor Circuit*
- *Engine Coolant Sensor Circuit*
- *Crankshaft Position Sensor Circuit*
- *Camshaft Position Sensor Circuit*
- *Fuel Injector Circuit*
- *Ignition Coil Circuit*
- *Oxygen Sensor Circuit*
- *Crankshaft to Camshaft (Crank Angle Space) Circuit*
- *Front O2 to Rear O2 Catalytic Converter Testing*



# EV MOTOR & GENERATOR STEM KIT



## TURN YOUR CLASSROOM INTO A STEM LABORATORY!

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This kit provides the foundation of hybrid and electric vehicle technology with ten sets of parts that can be configured a variety of ways to create an electric motor or generator.

Students will discover how electricity drives the motor with battery power and also how such a motor might generate electricity when used in reverse.

Kits come with student worksheets listing the activities and challenges that will demonstrate the principles of magnetism, electric generators, and gear reduction.

This hands-on experience will reveal the spark that drives our digital lives.

With electricity driving most of our lives, not to mention some of our cars, the EV Motor and Generator STEM Activity Kit can provide days of valuable education for students of all ages!

The kit includes a sturdy case for all components.

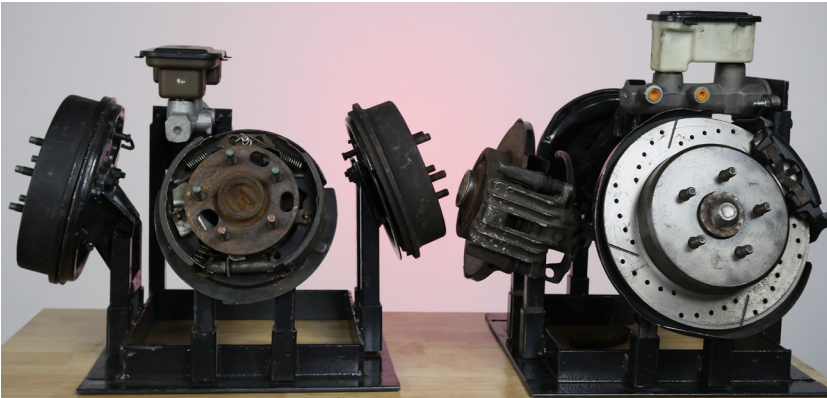


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**SCAN THIS QR CODE TO BUY YOUR EV MOTOR AND GENERATOR STEM ACTIVITY KIT TODAY**

# THE BRAKE CUBE

## NEW SELF-CONTAINED BRAKES TRAINING AID



With this compact, customizable piece of training equipment, an instructor doesn't need to put a car on the lift to demonstrate brake system operations.

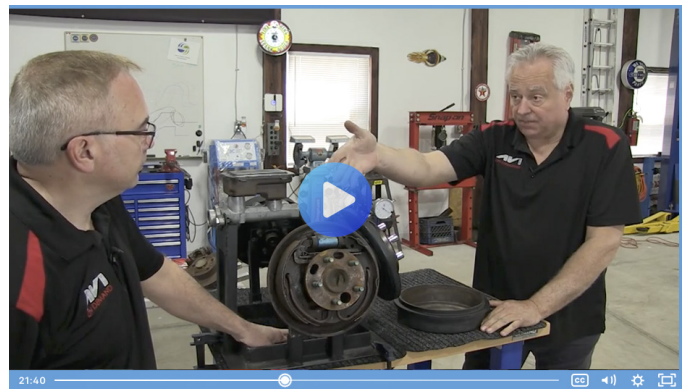
No need to remove wheels/tires. Everything is out in the open, easy for all to see.

One of the best features of the Cube is the instructor's ability to interchange the Cube's components to suit each class's individual needs.

Students will learn the principles of ABS, proper master cylinder and brake line bleeding procedures, as well as all the functions of a modern automotive braking system.

The simulator comes with a year subscription of curriculum.

It includes slide deck with instructor notes, videos, worksheets, test questions and answers.







**FOR MORE INFORMATION  
PLEASE CONTACT US**

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