



“ Kapitan Petko voyvoda” Vocational school of Electrical engineering and Electronics, Kardzhali



Join Us on eTwinning



Join Us on PGEE



"Let's Celebrate!"



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&
Tatyana Dimitrova



“Kapitan Petko voyvoda” Vocational school of Electrical engineering and Electronics, Kardzhali



01 № 2013-1-BG1-LEO01-08867

„European vocational training for better development”

02 № 2014-1-BG01-KA102-000246

„European support for the professional development of young people “

03 № 2015-1-BG01-KA102-013723

„ European collaboration in professional development “

04 № 2016-1-BG01-KA101-022991

„ Modern European forms and technologies in training “.

05 № 2016-1-BG01-KA102-022977

“European collaboration for quality professional development”

06 № 2017-1-BG01-KA102-035624

„ The European dimension of vocational training “

07 № 2018-1-BG01-KA102-047151

„ Mobility in Europe - a step forward in professional development “

08 № 2019-1-BG01-KA102-061664

“European professional qualification for better development ”

Studies

study

1

COMPUTER HARDWARE AND TECHNOLOGIES

Hardware and software specialists in all areas of production, commerce, economics, service, administration, banking and more.



study

2

ELECTRIC EQUIPMENT IN MANUFACTURING

Design of electrical installations and electrical equipment for residential, administrative and industrial sites.



study

3

ELECTRIC EQUIPMENT IN TRANSPORTATION

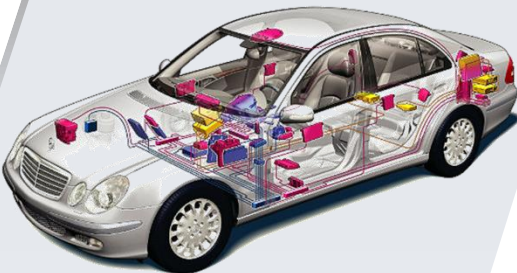
Opportunities for further realization - work in all specialized diagnostics, service, transport and commercial companies, as well as for developing your own business.



Electrical equipment in transportation

study **EET**

**Electrical equipment in
transportation**

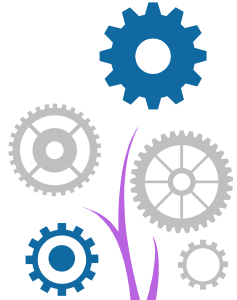


PROFESSION: MECHANIC

The learners in this field of study acquire the following knowledge and skills:

- ✓ in-vehicle device, electrical equipment and electronic systems;
- ✓ practical skills in vehicle operation and diagnostics;
- ✓ driving license for category B vehicles;
- ✓ acquiring category B gives the opportunity for category C.





Grade 8

2018 - 2019



SPECIALIZED PROFESSIONAL TRAINING



ELECTRICAL ENGINEERING

- Dependencies and patterns in circuits;
- Graphic notations of elements and nodes;
- Basic laws in electrical engineering;
- Measuring instruments (multimeter, oscilloscope, etc.), measurement quantities and units;
- Calculation of basic electrical quantities;
- Provides technical information;
- Draws basic diagrams;



ELECTRONICS

- Parameters and characteristics of the main building blocks in electronics;
- The purpose and elements of analog and impulse electronic devices;
- Principle of operation of the individual electronic components;
- Principle of conversion of AC voltage to stabilized DC voltage;
- Recognition of building blocks in electronics;
- Selects building blocks in electronics;
- Reads electronic circuits;
- Compiles electronic circuits.

SPECIALIZED PROFESSIONAL TRAINING



TECHNICAL MECHANIC

- Resistance Calculation: Tensile, compressive, shear, bending, twisting, bending and complex resistance;
- Intended use of non-removable and dismountable joints, axles, shafts, bearings, clutches, mechanical gears and springs;
- Application of machine elements in energy facilities and installations;
- Internal efforts and moments, working stresses and strains;

MATERIAL SCIENCE



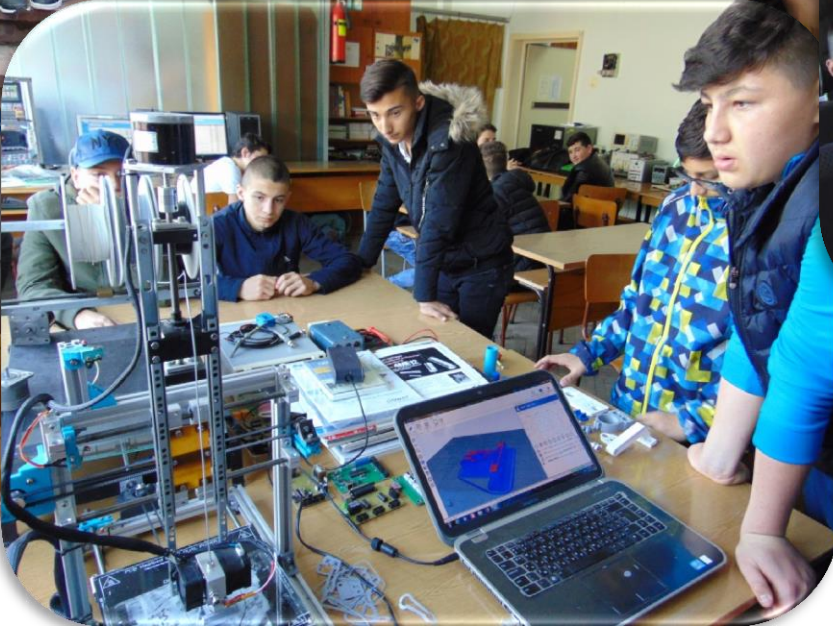
- Electrotechnical materials;
- Properties and characteristics of different materials;
- Application of different groups of materials;
- Selecting materials according to specific working conditions;
- Use of educational, technical and reference literature.

TECHNICAL DRAWING

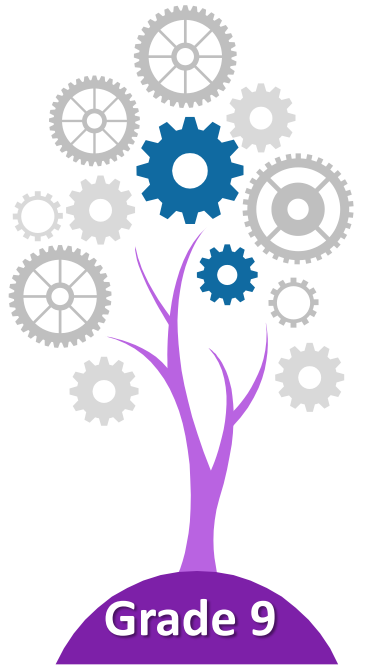


- The importance of standardization for the quality of technical documentation and of products and basic requirements;
- Rules for designing, displaying and sizing parts and assembled units;
- Reads drawing of the general appearance of details;
- Produces drawings of details;
- Uses a specialized software product for drawing details.

2018 - 2019

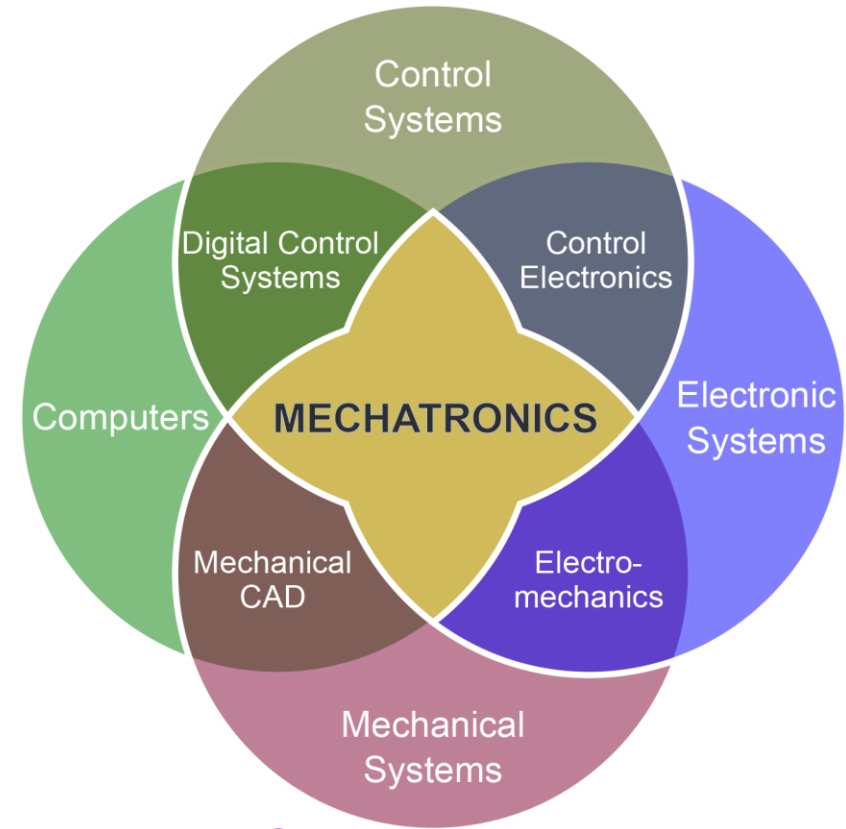


Projects of interest



Grade 9

2019 - 2020



What will I know and be able to do?

- The mechanism and principle of operation of the main nodes in the automobile;
- Diagnosis and control with modern appliances and stands;
- Maintenance and repair of electrical installations in the automobile;
- License to drive a vehicle, category "B" and "C"

SPECIFIC PROFESSIONAL TRAINING

ELECTRICAL INSTALLATIONS

ELECTRIC MACHINES
AND APPARATUS

MECHANISM OF AUTOMOBILE

ELECTRICAL EQUIPMENT
OF AUTOMOBILE



MAINTENANCE AND
CAR REPAIR

DESIGNING ELECTRICAL
VEHICLE SYSTEMS

DIAGNOSIS OF AUTOMOBILE

MECHATRONIC SYSTEMS
OF AUTOMOBILE

ROAD SAFETY

SPECIFIC PROFESSIONAL TRAINING

MECHANISM OF AUTOMOBILE

- Understands and analyzes the processes of the combustion engine, vehicle mechanisms and systems;
- Reads constructive and technological documentation;
- Uses standard regulatory documents, catalog and company documentation;



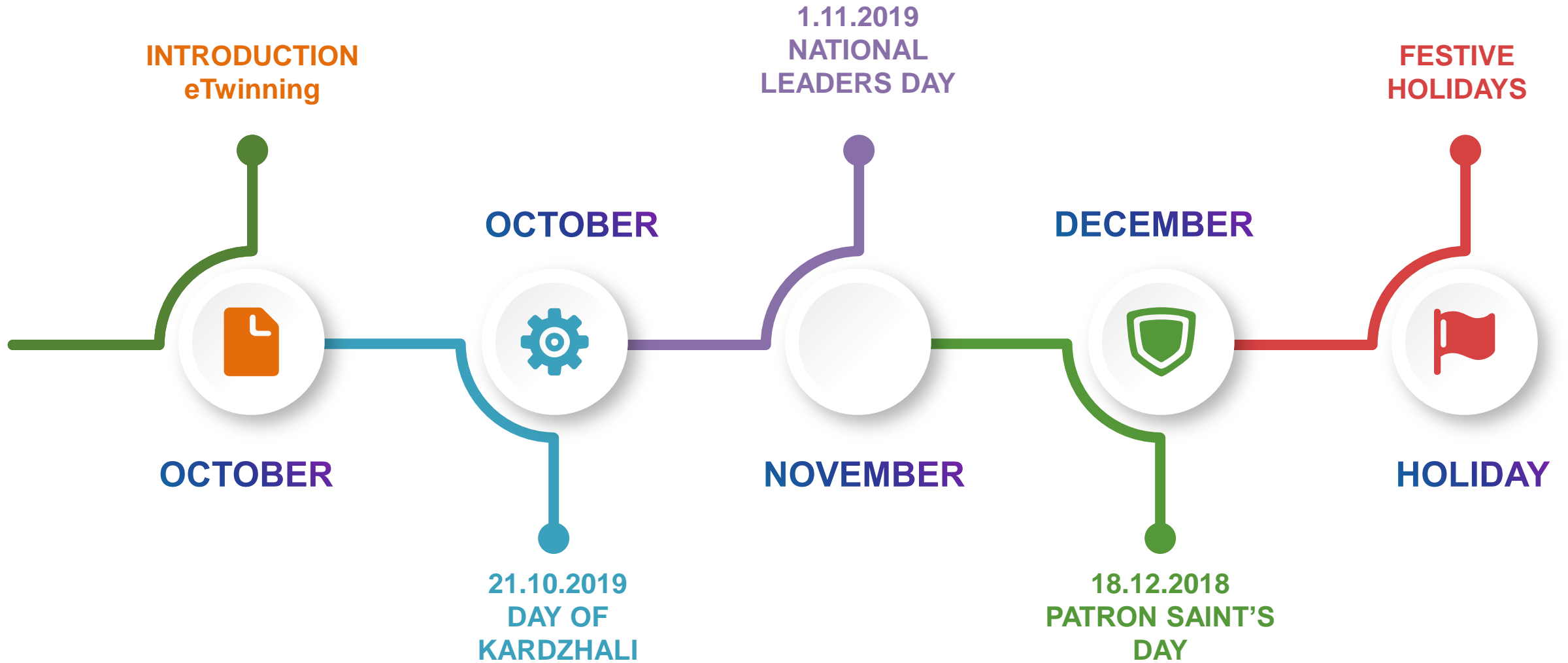
DIAGNOSIS OF AUTOMOBILE

- Selects the appropriate tools, appliances, measuring instruments, stands, special diagnostic tools to quickly and accurately assess the technical condition of the vehicle's systems and their components;
- Safety and environmental rules;
- Makes optimal decision on the necessary actions that will lead to the restoration of system performance in accordance with the technical requirements





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