

**Maturitní témata z anglického jazyka
pro třetí část ústní zkoušky
škol. rok 2019/2020**

Třída: 4.ME

Obor: 26-41-L/01 Mechanik elektrotechnik

ŠVP – Avionik

Vyučující: Mgr. Jiřina Růžičková

1. At the Airport

- description of Václav Havel Airport facilities
- Airport check-in procedures

2. At the Airport – people

- Job titles – positions held by employees at the airport
- Responsibilities and physical qualities of employees working at the airport

3. Václav Havel Airport – history

- Brief history of Václav Havel Airport
- Brief history of flying in general

4. Aircraft construction

- Main parts of an aircraft
- Basic airplane types

5. Amplifiers

- Transistor amplifiers
- Operational amplifiers

6. Radio transmitters and receivers

- Types of modulation
- Principles of the transmitter
- Principles of the receiver

7. Basics of microprocessor technology

- Microprocessors and microcontrollers
- Microprocessor peripherals

8. Electrical measuring instruments

- Types of instruments
- Principles of the oscilloscope

9. Basics of radiolocation

- Principles of the radar
- Main parts of the radar electronics



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10. Avionics Equipment

- Communication equipment
- Flight data measurement