

**Maturitní témata z anglického jazyka  
pro třetí část ústní zkoušky  
škol. rok 2018/2019**

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