

# CLIL LESSON/ACTIVITY PLAN

## CLIL FORM

- FULL LECTURE
- FULL SEMINAR
- FULL LAB
  
- CLIL ACTIVITY IN A LECTURE
- CLIL ACTIVITY IN A SEMINAR
- CLIL ACTIVITY IN A LAB

**DATE** 27 NOVEMBER 2020

**TEACHER** doc. Ing. LADISLAV MOROVIČ, PhD.

**TOPIC** FUSED DEPOSITION MODELING (FDM)

## MAIN AIM

- understanding the process of additive manufacturing method Fused Deposition Modeling (FDM),
- interpretation of the additive manufacturing method Fused Deposition Modeling (FDM) in English.

## SOURCES

- the FDM video made specifically for the needs of the CLIL lesson / activity, presented in English,
- other videos,
- internet links, etc.

## SUBJECT CONTENT AIMS

**SUBJECT:** COMPUTER AIDED TECHNOLOGIES AND SYSTEMS.

### SUBJECT CONTENT AIMS:

- understanding the process of additive manufacturing method Fused Deposition Modeling (FDM),
- understanding the pre-processing and post-processing of FDM,
- getting to know the main parts of the FDM machine,
- interpretation of the above listed aims in English,
- development of work with foreign language literature,
- development of teamwork,
- development of presentation skills in a foreign language.

## LANGUAGE AIMS

- technical terms / specific register in English,
- interpretation of the FDM process in English,
- process description in English,
- machine description in English,
- discussion in English.

## TOOLS FOR SUBJECT CONTENT

- the topic was first lectured in Slovak language weeks before the lecture in English language,
- explanation of the principle in text form in Slovak language,
- technical illustrations,
- figures,
- videos,
- applications.

## TOOLS FOR LANGUAGE

- the FDM video made specifically for the needs of a CLIL lesson / activity, presented in English,
- videos in English,
- internet links,
- presentation structure,
- presentation skills,
- strategies for presentation,
- useful phrases,

## COMPREHENSION/ASSESSMENT

- based on presentations (taking into account both teamwork and individual work):
  - content requirements from a technical point of view,
  - graphic design,
  - selection and correct citation of literature,
  - presentation in English language,
- discussion in English language (alternatively in Slovak language),
- answers to questions in English language (alternatively in Slovak language),



**CLIL - HET**

SLOVAKIA - HUNGARY - POLAND - THE CZECH REPUBLIC - SERBIA - ALBANIA