

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

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TOPIC OPTICAL 3D SCANNING
(STRUCTURED LIGHT / FRINGE PROJECTION)

MAIN AIM

- understanding the process of measuring by optical 3D scanning (structured light / fringe projection),
- interpretation of the measuring by optical 3D scanning (structured light / fringe projection).

SOURCES

- the optical 3D scanning (structured light / fringe projection) 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 measuring by optical 3D scanning (structured light / fringe projection),
- understanding the pre-processing and post-processing,
- getting to know the main parts of the optical 3D scanner,
- 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 measuring process (i.e. 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 optical 3D scanning (structured light / fringe projection) video made specifically for the needs of the 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