

Прізвище, ім'я автора розробки
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Повна назва закладу освіти
Академічний ліцей «Європейський» Лубенської міської ради Лубенського району Полтавської області
Посада
Заступник директора з НВП з іноземних мов
Номінація
Іноземні мови

Theme	
Application of Optics in Various Professional Spheres	
Objectives	
This detailed lesson plan aims to seamlessly integrate physics content with English language practice (CLIL), enhancing students' understanding of optics while reinforcing their language skills.	
Grade	Lesson type
11	Content language integrated lesson
Digital tools	Terms and vocabulary
Zoom platform; Kahoot game-based learning platform; You Tube video hosting; GPT chat / Wikipedia; Digital board Padlet; Puzzel.org web app.	Optics, convex and concave lenses, magnification, beam splitter, fibre optic cable, perspective, transparent, monochromatic, refraction, reflection, collimator, wavelength
Key competences	
<p style="text-align: center;">Linguistic Competence</p> <p>Expanding vocabulary on the topic of optics in English, improving reading, listening, and speaking skills related to specialized topics, using subject-specific terminology in oral and written communication.</p> <p style="text-align: center;">Mathematical and Scientific Competence</p> <p>Understanding physical phenomena related to optics (refraction, reflection, the functioning of telescopes and microscopes, basics of aerodynamics, etc).</p> <p style="text-align: center;">Digital Competence</p> <p>Working with online platforms, apps, digital boards and media resources.</p> <p style="text-align: center;">Learning to Learn</p> <p>Fostering critical thinking while discussing modern applications of optics in technology.</p> <p style="text-align: center;">Social and Civic Competence</p>	

Collaborating in groups and engaging in teamwork during tasks, discussing the role of scientific discoveries in historical and modern contexts.