

The (un)seen physics

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This contribution introduces a set of simple experiments and classroom demonstrations focused on human sight and its limitations. The activities include making invisible light visible, exploring color vision deficiencies and illusions, and uses of a portable microscope, among others. All experiments are easy to carry out and can be adapted for students of different ages and levels.

Their main goal is to spark students' curiosity, encourage discussion, and show physics as a subject that helps explain how we perceive the world around us. Rather than belonging to one specific topic, the demonstrations naturally connect ideas from various fields of physics. In this way, they help teachers build links between previously learned concepts, support students' reasoning, and promote a more engaging and meaningful physics learning experience.