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## LUNAR ODYSSEY

The 'Lunar Odyssey' project is based on sky observation and taking photos of the sky with a particular focus on the Moon. The photos were taken by student Jan Ziolkowski. In the project, the research apparatus and the physical basis of the phenomenon were discussed.



A Sky-Watcher 150p telescope was used (150mm camera, 750mm focal length, maximum magnification 300), an iPhone 11 (12 MP) and a Canon PowerShot G7 X Mark II. Photos of the Moon at different phases were taken and an animation showing the changing phases was assembled.

Taking the photos required a lot of commitment, spending many nights observing. It was then necessary to select the best photos suitable for animation.

**Conclusion:** The paper presents observation and the best photos of the Moon taken by Jan Ziółkowski.