

Abstract Submitted
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Design and Development of Escape Room Based Interventions for Fluid Mechanics Courses VRISHANK RAGHAV, MICHAEL MELNICK, Department of Aerospace Engineering, Auburn University — A new educational interventional tool based on the concept of escape rooms was designed and developed at Auburn University for use in the fundamentals of aerodynamics course. The details of the design for both conceptual and quantitative parts of the syllabi are discussed. The interventions consist of group-based and collaborative activities that could lead to a deeper level of engagement and understanding of fluid mechanics at the undergraduate level. The pilot implementation of these new tools and the re-design for different levels of undergraduate education and high-school outreach will be discussed.

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