

HomeLab- chemistry experiments at home?

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Abstract

Are you a chemistry teacher and cannot do experiments at school with your students? There can be timetable collision, pandemic situation, no school laboratory, no equipment, or other issues. But science (chemistry) teachers want to do hands-on activities despite various obstacles. In these cases, they can choose from project HomeLab activities where tens of science activities were developed. HomeLab is an international project focused on science hands-on activities that can be performed at home. They are safe, use house products, suitable for lower and upper secondary education, are more or less inquiry-based, and use a STEM approach. HomeLab activities were evaluated in several teacher training courses where teachers appreciated the effectiveness, low cost, and didactic value of activities.

The conference contribution will present the project itself and available outputs, and one of the outputs will be presented on-site to demonstrate the simplicity of implementation and its contribution to educational objectives.

References

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Keywords

HomeLab, hands-on activities, STEM, chemistry education