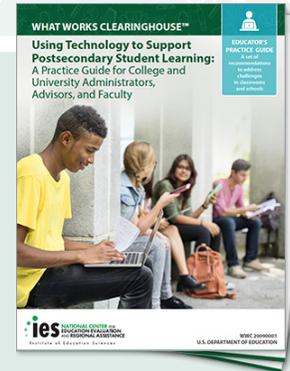# WHAT WORKS CLEARINGHOUSE™ presents

Using Technology to Support Postsecondary Student Learning: A Practice Guide for College and University Administrators, Advisors, and Faculty

OVERVIEW

This Practice Guide, developed by the What Works Clearinghouse™ (WWC) in conjunction with an expert panel, focuses on promising uses of technologies associated with improving postsecondary learning outcomes. It provides higher education instructors, instructional designers, administrators, advisors, and other university staff with five evidence-based recommendations for supporting learning through the effective use of technology.

RECOMMENDATIONS

The Practice Guide offers the following evidence-based recommendations:

1. Use communication and collaboration tools to increase interaction among students and between students and instructors.

2. Use varied, personalized, and readily available digital resources to design and deliver instructional content.

3. Incorporate technology that models and fosters self-regulated learning strategies.

4. Use technology to provide timely and targeted feedback on student performance.

5. Use simulation technologies that help students engage in complex problem-solving.

The discussion of each recommendation includes four critical components:

THE RECOMMENDATION

Includes an actionable recommendation, a summary of the research evidence that supports the recommendation, and a description of how the recommended practice supports student learning.

POTENTIAL OBSTACLES

Includes obstacles and advice from the expert panel about how to overcome them.

GUIDANCE

Explains how to carry out the recommendation, informed by studies that support the recommendation, as well as the panel's expertise and knowledge of strategies available to help implement the recommendation.

TOOLS AND RESOURCES

Offers practical information and examples to help practitioners implement the recommendation.

Readers are encouraged to use the advice provided in ways that work best in the varied contexts in which they work. Users of this Practice Guide may decide to implement some or all of the recommendations.

The complete Practice Guide can be accessed through the What Works Clearinghouse website: **https://ies.ed.gov/ncee/wwc/practiceguide/25**.

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