

Peer reviewed on-line lessons for teaching crop genetics and genetic engineering. (A01-lee162236-Poster)

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Abstract:

We have developed on-line lessons that have been peer-reviewed by the Journal of Natural Resources and Life Science Education for teaching genetics and genetic engineering. The lessons are designed as stand alone resources that can be accessed via an open Internet site (<http://croptechnology.unl.edu>) and used without cost by educators around the world. Lessons create a learning environment by combining objective based text with illustrations, animations, and a bank of quiz questions to test a learner's knowledge gained in the subject. Three people served as the peer-review team: a subject matter expert, an Internet media expert and an expert in the teaching of that subject. Reviewers determined if the lessons made a significant contribution to the body of public educational. The journal editors recommended publication of an abstract describing each lesson in the journal based on the peer review and the implementation of suggested edits. This process should increase the educational quality of publically available on-line materials that can support resident and distance teaching in the natural resource and life sciences.

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