

High Structure Course Design for Biology Education



1

Benefits of High Structure

High structure courses improve overall student performance, bridge gaps between diverse student groups, foster a sense of belonging, and enable active learning through engagement in higher-order thinking.



2

Before Class Strategies

Preparation for active learning begins before class with pre-class assignments, transparency about the importance of pre-class work, incorporation of thought-provoking questions, and utilizing existing resources to streamline efforts.



3

During Class Engagement

Active learning during classes is encouraged through clicker questions, collaborative group work, hands-on activities, and a focus on higher-order thinking tasks while maintaining transparency about learning goals.



4

After Class Reinforcement

Post-class activities focus on reinforcing learning through quizzes, one-minute papers, feedback mechanisms, and additional support resources to aid student mastery and reflection on the material.



5

Effective Implementation Tips

Start implementing high-structure strategies gradually, ensure transparency by sharing outcome data, adapt methods to your personal teaching style, assess student understanding frequently, and collaborate to share resources.



Experience High-Structure Course Design in Action

Try Our Interactive Demo!

demo.macmillanlearning.com/share/u8qs0vh994lj