

# Exploring The Intersection Of The Next Generation Science Standards And Common Core

The Next Generation Science Standards (NGSS) and the Common Core State Standards (CCSS) are two of the most important educational initiatives in recent years. Both sets of standards aim to improve student learning and prepare students for college and careers. However, there is some confusion about how the two sets of standards intersect.



## Literacy for Science: Exploring the Intersection of the Next Generation Science Standards and Common Core for ELA Standards: A Workshop Summary

by Catherine Douglass

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This article will explore the intersection of the NGSS and CCSS and provide guidance on how to use both sets of standards to improve student learning.

## **The NGSS and CCSS: A Brief Overview**

The NGSS are a set of K-12 science standards that were developed by the National Research Council. The NGSS are based on the latest research on how students learn science and are designed to prepare students for college and careers in science and engineering.

The CCSS are a set of K-12 math and English language arts standards that were developed by the National Governors Association Center for Best Practices and the Council of Chief State School Officers. The CCSS are based on the Common Core State Standards Initiative, which was launched in 2009.

## **The Intersection Of The NGSS And CCSS**

The NGSS and CCSS intersect in several ways. First, both sets of standards are based on the same research on how students learn. This means that the NGSS and CCSS are aligned in terms of their goals and objectives.

Second, the NGSS and CCSS both emphasize the importance of inquiry-based learning. Inquiry-based learning is a teaching approach that encourages students to ask questions, investigate problems, and develop their own understanding of the world around them.

Third, the NGSS and CCSS both emphasize the importance of literacy. Literacy is the ability to read, write, and communicate effectively. Both sets of standards require students to be able to read and understand complex texts, write clearly and concisely, and communicate their ideas effectively.

## **Using The NGSS And CCSS To Improve Student Learning**

The NGSS and CCSS can be used together to improve student learning in a number of ways. First, teachers can use the NGSS and CCSS to develop integrated lesson plans that combine science and math or science and English language arts.

Second, teachers can use the NGSS and CCSS to differentiate instruction for students. This means that teachers can provide different levels of support to students based on their individual needs.

Third, teachers can use the NGSS and CCSS to assess student learning. This means that teachers can use the standards to develop assessments that measure student progress towards the goals of the standards.

The NGSS and CCSS are two important educational initiatives that can be used together to improve student learning. By understanding the intersection of the two sets of standards, teachers can develop integrated lesson plans, differentiate instruction, and assess student learning in a more effective way.



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