



6.IC.6 Impacts of Computing

The student will investigate and analyze the impact of the progression and advancement of AI technologies on industries. (a) Discuss the type of industries that may be impacted by the use and integration of Artificial Intelligence (AI). (b) Compare and contrast the evolving nature of work across diverse industries because of the progression and advancement of Artificial Intelligence.

Understanding the Standard

The long-term impact artificial intelligence will have on society is still largely yet to be determined. However, machine learning and AI have already impacted society in substantial ways through systematic patterns in algorithms that lead to unequal outcomes, surveillance technologies, and machine learning. While relatively new technologies like large-language models (e.g., ChatGPT) have impacted education in many ways (e.g., plagiarism, intellectual property theft, access to information, misinformation), machine learning has been a part of other industries for decades.

This standard is closely related to 6.IC.1, 6.IC.3, 6.DA.4, and 6.CSY.3.

Term	Definition
Artificial intelligence	A technology intended to imitate human work; today, these often use machine learning for this
Machine learning	The process by which