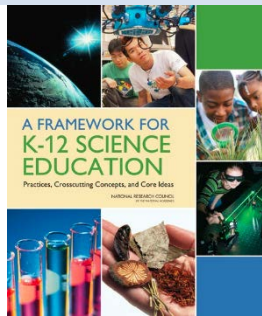
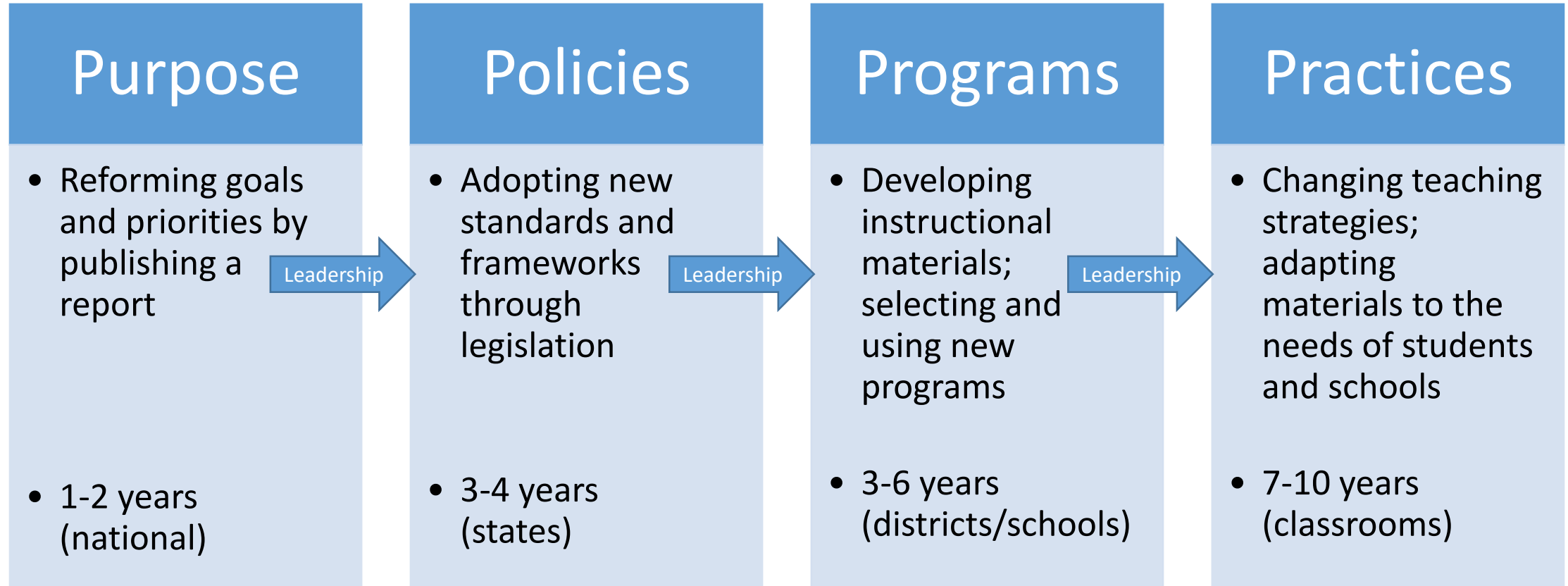
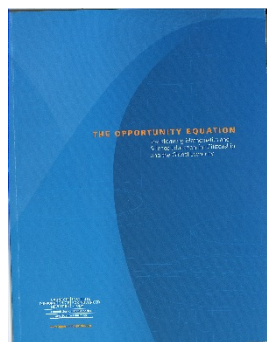


Standards & Curriculum Reform



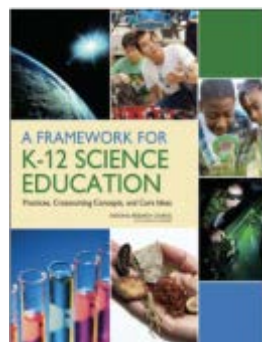


Investments in Science Education



INSTITUTE FOR
ADVANCED STUDY

2007-2009

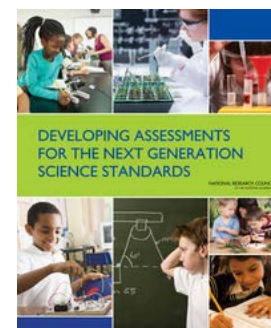


THE NATIONAL ACADEMIES
Advisers to the Nation on Science, Engineering, and Medicine

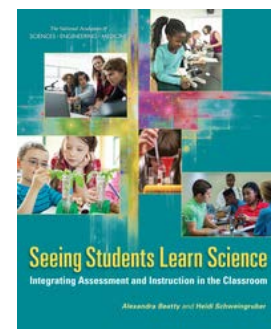
2009-2011



2010-2017

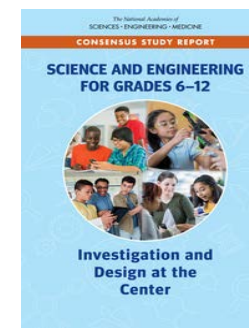


2014



2017

SCENCES
ENGINEERING
MEDICINE



2019



2018



A nonprofit organization that aims to improve science education through the development and implementation of **high-quality, freely available K-12 science instructional materials.**



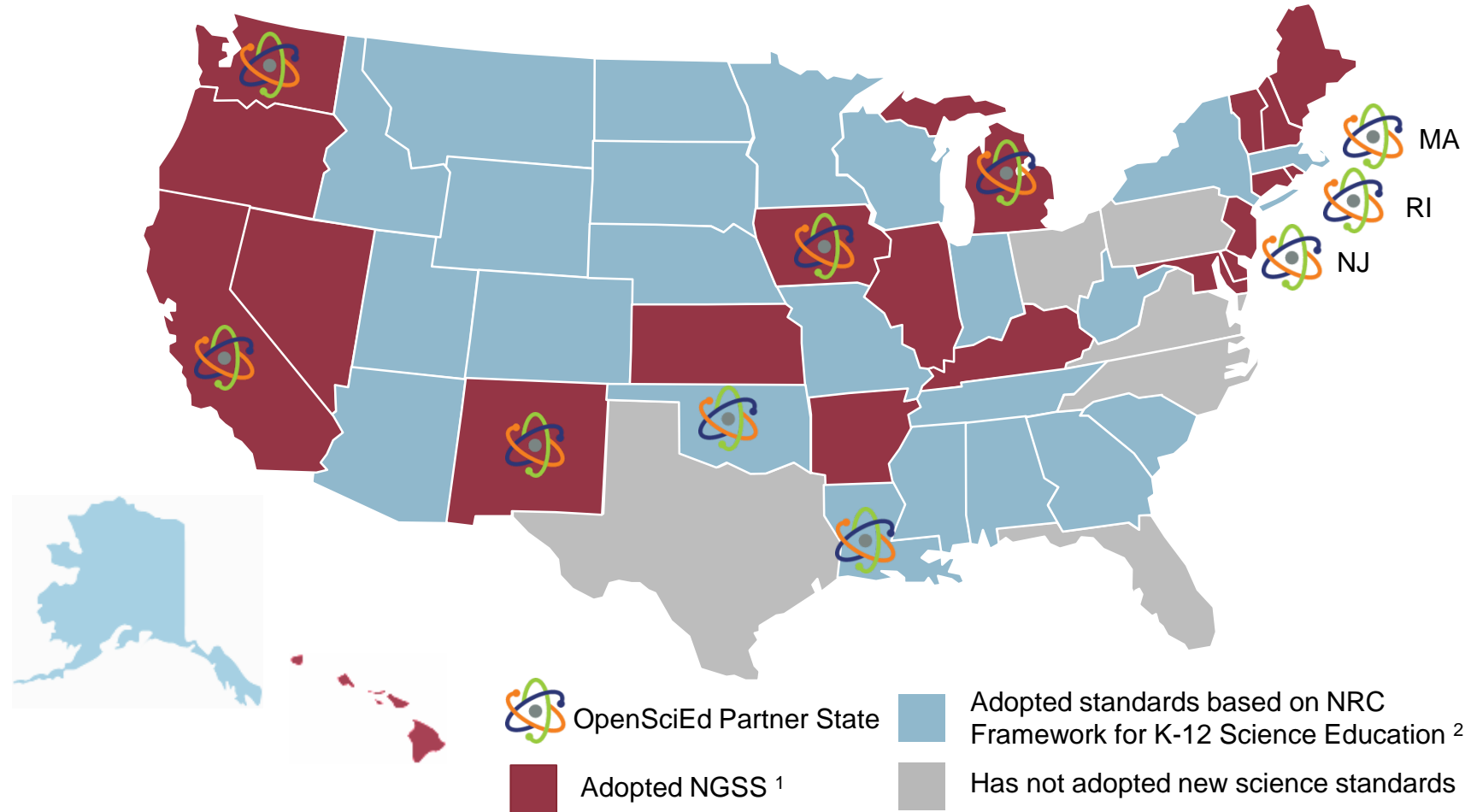
BILL & MELINDA
GATES *foundation*



CHARLES AND LYNN
SCHUSTERMAN
FAMILY FOUNDATION



Twenty states and D.C. have adopted the NGSS; 24 states have adopted standards based on the NRC Framework



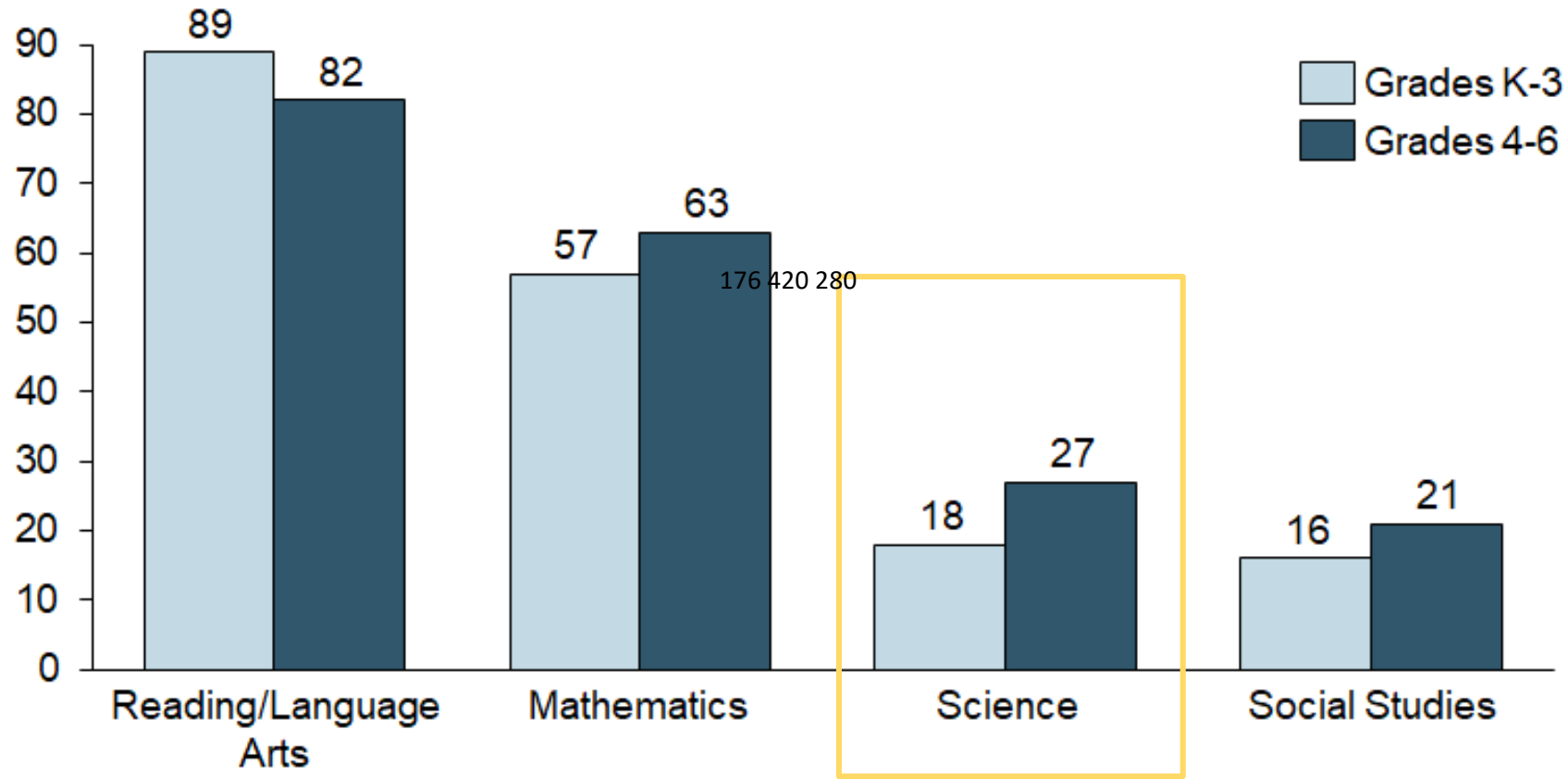
1) States that adopted NGSS made no or minimal changes to NGSS standards

2) States that adopted standards based on NRC framework made minimal to moderate changes to NGSS standards

Source: [NGSS NSTA](#)

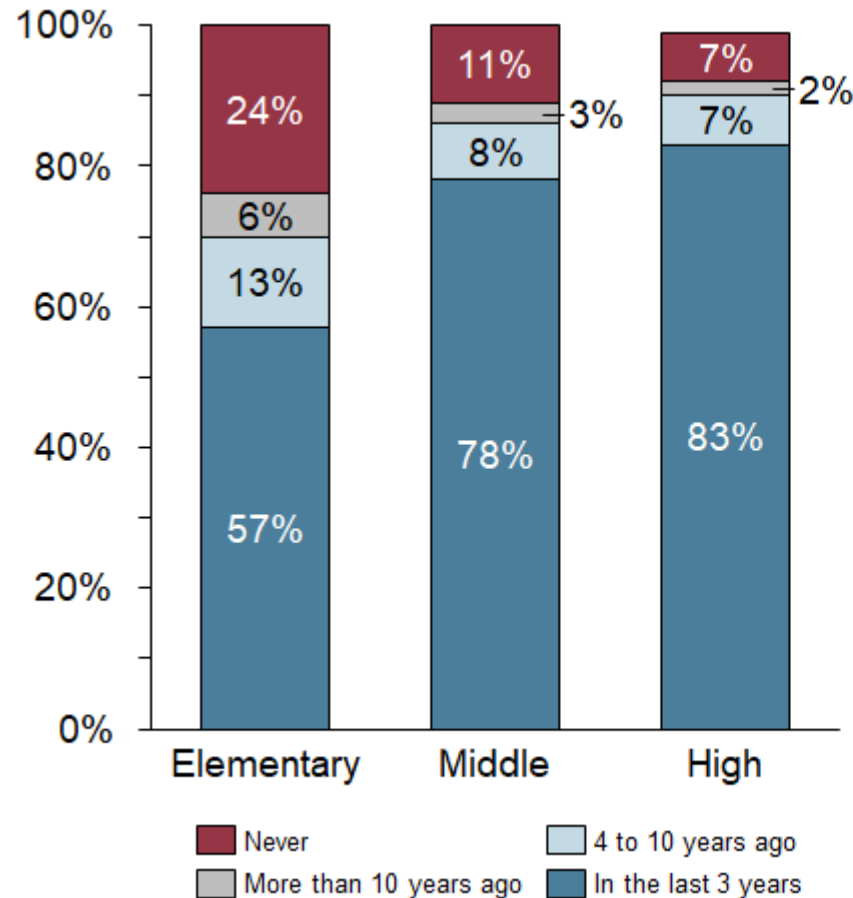
Recent data reveals few science instructional minutes in elementary, especially early elementary

Average number of minutes per day spent teaching each subject, by grade range (2019)

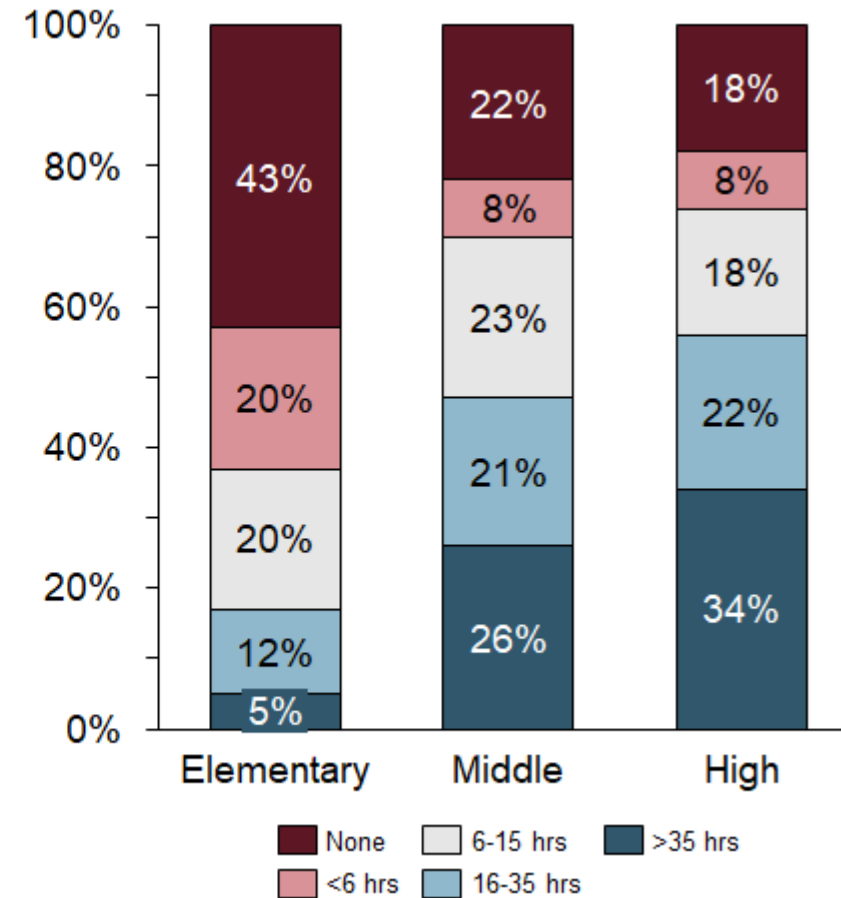


Time spent on science professional learning varies significantly by grade band

When Was Your Most Recent Science Professional Development? (2018)



Time Spent on Science Professional Development in the Last Three Years? (2018)



Note: Percentages may not total 100 due to rounding
Source: Smith, P. S. (2020). 2108 NSSME+: Trends in U.S. science education from 2012 to 2018. Horizon Research, Inc.