

# Scientists and Engineers

wonder about the  
world and write it  
as a question.

ask questions (science) and define answers (engineering).

Practice 1

# Scientists and Engineers

**create ways to model  
real world situations.**

develop and use models.

Practice 2

# Scientists and Engineers

**plan and carry out  
investigations**

plan and carry out investigations.

Practice 3

# Scientists and Engineers

**understand and  
explain what  
the data means.**

analyze and interpret data

Practice 4

# Scientists and Engineers

**use math strategies  
to explain their  
thinking.**

use mathematics and computational thinking.

Practice 5

# Scientists and Engineers

**come up with  
explanations  
and solutions.**

construct explanations and design solutions.

Practice 6

# Scientists and Engineers

**use proof  
to support  
their findings.**

engage in arguments from evidence.

Practice 7

# Scientists and Engineers

**collect, understand,  
and show their  
information.**

obtain, evaluate, and communicate information.

Practice 8