



**WHAT SCIENTISTS DO
AND ENGINEERS DO
STUDENTS DO TOO!**



STUDY

LIFE
SCIENCES

PHYSICAL
SCIENCES

EARTH & SPACE
SCIENCES

ENGINEERING
TECHNOLOGY
& APPLICATIONS
OF SCIENCE

WHAT SCIENTISTS DO
AND ENGINEERS DO
STUDENTS DO TOO!

PLAN &
CARRY OUT
INVESTIGATIONS

ANALYZE &
INTERPRET
DATA

CONSTRUCT
EXPLANATIONS
& DESIGN
SOLUTIONS

ASK QUESTIONS
& DEFINE
PROBLEMS

ENGAGE IN
ARGUMENT
FROM
EVIDENCE

USE MATH &
COMPUTATIONAL
THINKING

DEVELOP &
USE MODELS

OBTAIN,
EVALUATE, &
COMMUNICATE
INFORMATION



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