

DL Essentials:

#1, little bit
of #2 & #3, #8,
#9

DL Essentials:

#3, #4, #5, #6,
#7, #8, #9, #10

DL Essentials:

#2, #3, #4, #7,
#8, #9

Students engage in
real world
phenomenon/
problem, record initial
thinking and
questions.

Students record
observations, analyze
data sets using multiple
forms of data
representations, look for
patterns using old and
new technology. Data
sources vary from
experimentation second
hand text.

THE REAL WORLD

Ask Questions
Observe
Experiment
Measure

COLLECT DATA TEST SOLUTIONS

Investigating

THEORIES AND MODELS

Imagine
Reason
Calculate
Predict

FORMULATE HYPOTHESES PROPOSE SOLUTIONS

Developing
Explanations and
Solutions

Students record and
continually revise
models to best fit the
evidence from data,
readings, and
discourse.

Students create and
revise claims and/or
solutions for public
critique and revision,
individually, small groups,
whole group, and
authentic audiences.

ARGUE CRITIQUE ANALYZE

Evaluating

Students argue from
evidence in small and
whole group discussion
for consensus, making
their thinking public and
visible.

DL Essentials:

#2, #3, #6, #7,
#8, #9

DL Essentials:

#3, #4, #6, #7,
#8, #9, #10