

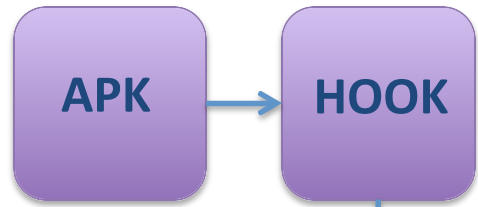
# 5E+I/A Lesson Planning Guide

## ENGAGE

- u **ACCESSING PRIOR KNOWLEDGE**  
*Pre-assessment*
- u **HOOK** Engage students in the inquiry process.

LESSON TIME

- u *First components of every scope*
- u *Teach in order in entirety*
- u **APK**
- u **HOOK**



## EXPLORE

Students investigate, ask questions, and participate in hands-on discoveries.  
2-5 DO hands-on, inquiry activities

**EXPLORE- DO**  
Five Types of DO activities:

- Activities
- Investigations
- Engineering Solutions
- Project Based Learning
- Research

*Teach DO's in order in entirety*

LESSON TIME

- *Reiterative EXPLORE/EXPLAIN process*  
*Do 1, EXPLAIN, Do 2, EXPLAIN, Do 3, EXPLAIN*
- *Formative Assessment*

**EXPLAIN**  
Incorporate EXPLAIN components after each DO.

- Student explanations of understanding
- Direct vocabulary instruction
- *Picture vocabulary, STEMscopedia, Content Connection Videos*

## EXPLAIN

Students describe, explain, and discuss concepts in meaningful ways

## ELABORATE

Students extend learning to real-world situations, literacy & math

LESSON TIME

- u *Teacher choice*
- u *Opportunities for differentiation*



## EVALUATE

Students provide evidence of understanding through a variety of assessments

LESSON TIME

- u *Teacher choice*
- u *Summative Assessments*
- u *Opportunities for differentiation*



## INTERVENTION

Resources and re-teaching strategies for achievement gains

## ACCELERATION

Opportunities for further engagement in science

LESSON TIME

- u *Teacher choice*
- u *Opportunities for differentiation*

