

# Evaluation of LSOP Activities

Where have we been,  
and where to from here?

Focus group interviews with teachers

What do they want?

Shovel-ready materials fit to standards

Hands-on

Future: Have we done what we want here?

Knowledge gains from LSOP exposure.

Big Question:

Detectable gains from a 1X, non-didactic exposure to LSOP?

Studies conducted so far: 5 item MC/TF test, pre/post.  
(Relatively large Ns, various levels.)

Difficulty: Choosing knowledge items, not too easy/  
hard, not too LSOP specific.

Future, for LSOP knowledge gain testing.

More didactic?

More structured experiences for students?

Change outcome measurement?

Other?

## Observational studies of student use of LSOP.

What do kids do when they "play?"

On task? Inquisitive? Using as intended?

Variation by gender, age, ethnicity?

So far: About 100 observed, need more.

Future: Continue as is?

Future, new project idea:  
Randomized Lesson trials.

How much difference do LSOP hands-on materials make when integrated into teaching a particular topic?

Have particular topics taught with/without materials, **same teacher**, various classes, various schools.

Randomize within schools/classes, crossover.

New idea: LSOP TV/podcasts audience studies.

Who is watching them, and how do they watch, how much, etc.

Incentivize response with secret decoder rings.

Ideas?