STEM INQUIRY
A WAY OF LEARNING AND A WAY OF LIFE
THE INQUIRY CYCLE

BEING SPECIFIC

Orientation

Question
Hypothesis

Exploration
Experimentation

Data interpretation

Conclusion

Reflection

Communication

CONCEPTUALIZATION

CONCEPTUALIZATION

CONCEPTUALIZATION

CONCLUSION
Bloom’s Taxonomy

(higher order thinking skills)

Creating
Evaluating
Analysing
Applying
Understanding
Knowledge/Remembering

(lower order thinking skills)
"Practice makes perfect" can be a very misleading saying. It implies that---

IF I JUST KEEP DOING THIS OVER AND OVER, I'LL EVENTUALLY GET IT.

Practice doesn't make perfect, practice makes permanent.

But this kind of repetition serves only to set habits into stone, be they good habits or bad.
MARS
10/4/14
220X

NOT EVERYTHING IS INQUIRY

SKILLS AREN'T INQUIRY
NOT EVERYTHING IS INQUIRY

KILL THE COOKBOOK
THE INQUIRY CYCLE

BEING SPECIFIC
NOT EVERYTHING IS INQUIRY
KILL THE COOKBOOK
follow me

role model
WATCH ONE, DO ONE... TEACH ONE

EMULATE EXCELLENCE
Hole in the wall project, Sugata Mitra
REAL-WORLD

AUTHENTIC INQUIRY
NEVER STOP DISCOVERING