

Pre-Scientific vs. Scientific Thinking (summarized from Wendell Johnson's PIQ)

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Pre-Scientific

Static, assumes constancy, similarities
Rigid, tradition,
Problem solving: Authoritarian
Language to control behavior,
don't ask questions
Vague, meaningless questions and
speculations, rhetorical questions
No sense of individuality, "to-me-ness"
"Ventriloquizing" VOICE OF _____
Traditions, practices, customs, do not

regard predictability

Scientific

Process, ever-changing, individual
Adaptable, ready to change, challenge
Observations, Test, Revise
Leads to understanding, clarity,
answers derived not dictated
Well-formulated questions lead to
answers, understanding
Self-aware, observer-observed
Individuals speak for themselves
Objective is to make accurate
predictions

Starting Point: To apply more of a scientific attitude in whatever we do.