

# P.O.E.T.R.Y.

## What is P.O.E.T.R.Y.?

P.O.E.T.R.Y. stands for Predict-Observe-Explain-Think-Reflect-Yearn (to know more). P.O.E.T.R.Y. can be used either as a procedure or as an assessment tool to assist teachers with both the inquiry and journaling processes in their science classes. P.O.E.T.R.Y. is flexible, meaning that teachers can use one part or all of P.O.E.T.R.Y. as they desire. Unique to P.O.E.T.R.Y. is its alignment to both science and language arts standards. With P.O.E.T.R.Y., students are engaging in authentic writing about their own experiences and thinking.

## Stages of P.O.E.T.R.Y.

<b>Stages</b>	<b>Description</b>	<b>Essential Features of Inquiry</b>
<b>Predict</b>	Students make a prediction about what is to occur and explains their reasoning.	<b>Scientifically oriented questions</b>
<b>Observe</b>	Students make accurate observations or measurements.	<b>Communicate</b>
<b>Explain</b>	Students use evidence to evaluate their prediction and to develop an explanation for their observations.	<b>Priority to evidence</b>
<b>Think</b>	Students devise alternative explanations for their observations.	<b>Formulate explanations</b>
<b>Reflect</b>	Students evaluate the approach used to collect data.	<b>Evaluate explanations in light of alternative explanations</b>
<b>Yearn (to know more)</b>	Students generate new questions and approaches to investigate their questions.	<b>Communicate</b>

## P.O.E.T.R.Y. as an Assessment Tool

P.O.E.T.R.Y. can be used to assess student understanding before, during, or after an investigation. The individual stages of P.O.E.T.R.Y. can be examined individually within one entry. Teachers can design a rubric which uses P.O.E.T.R.Y. as an assessment tool that can be used to track students' progress in both language arts and science inquiry skills.