Helping Students Exercise Their Critical Thinking using the SEE-I

University of Louisville
Ideas to Action (i2a)

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Promoting critical thinking with our students requires that we help them move beyond rote memorization and gain confidence with talking about and working with new concepts and ideas. The SEE-I is a useful process for clarifying almost anything. The letters in the SEE-I stand for steps in the process:

S: State
To state something is to say it briefly, clearly and sometimes it means offering the most basic put precise definition. Sometimes the “state it” definition is the textbook definition. Strategies to help students clearly state their idea or main point:
- Have the student complete the phrase “I think…” about their idea or main point.
- Ask the student to state their idea or basic point in one simple sentence.

E: Elaborate
To elaborate on the statement above is to expand it, explain it in your own words at a greater length. Strategies to help students expand on their idea or main point are:
- Have the student complete the phrase “In other words…” about their idea or main point.
- Ask the student to elaborate their basic point more fully.

E: Exemplify
To give a good example of a topic or concept is to clarify for yourself or your audience what you mean after “stating” and “elaborating.” It is best to have an original example that you pull from your own life or the world around you. Strategies to help students exemplify their idea or main point are:
- Have the student complete the phrase “For example…” about their idea or main point.
- Ask the student to give you an example of their point for their experience.

I: Illustrate
An illustration of a concept or topic provides a picture to clarify one’s thinking. It might be a graph, diagram or concept map. Typically, it can be a metaphor, simile or analogy that captures the meaning. Strategies to help students illustrate their idea or main point are:
- Have the student complete the phrase “It is like…” about their idea or main point.
- Ask the student to give you an analogy or metaphor to help you see what they mean.

Examples of the SEE-I Tool

<table>
<thead>
<tr>
<th>SEE-I for “civil disobedience” (G. Nosich, p. 35)</th>
<th>SEE – I for “Legal System”</th>
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<td><strong>State</strong> – A definition is the “active refusal to obey certain laws &amp; a primary method of nonviolent resistance.”</td>
<td>State: The legal system of the U.S. is rigid, but nimble. It adapts to societal change.</td>
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<td><strong>Elaborate</strong> – In other words, a means by which citizens can actively rebel against unfair laws and the demands of the state</td>
<td>Elaboration: Societal positions influence the law through the people it serves.</td>
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<td><strong>Example</strong> – An example would be like Rosa Parks refused to give up her seat on the bus</td>
<td>Exemplification: Sociological change brought about a major shift in the law as it relates to education, moving from segregated schools to integrated ones.</td>
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<td><strong>Illustrate</strong> – It’s like being a cliff at the edge of the ocean, waves crash against it, but the cliff remains there.</td>
<td>Illustration: It’s like how words enter the dictionary. We like to think the dictionary as fixed and set, and therefore permanent. Yet, it changes with society in a real way–words enter the dictionary all the time, such as “unfriend” or “carbon footprint.”</td>
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I. What are some significant or central concepts that you teach in your AP course? (brainstorm two or three concepts with the person next to you)

II. Select one concept ________________________________ with which to practice

State it as briefly, clearly and precisely as possible by constructing a good definition or a single, clear, well-formulated sentence

Elaborate on something to expand or explain it in your own words by starting with the phrase “In other words…”

Exemplify clarifies what you mean by using a good, well-chosen, original example. “For example…” or “By contrast…”

Illustrate to provide further clarity by giving a literal or an actual picture, metaphor, illustration, or diagram. “It’s like…”