

Online Supplemental Materials #2
Original 42-Item PILS

Authority Is Constructed and Contextual

1. I understand how to select and evaluate authoritative sources to develop credibility for their arguments.
2. I evaluate research ideas and practices to identify potential biases.
3. I feel comfortable with conflicting opinions in research and evaluating the evidence that supports differing perspectives.
4. I recognize that there are many ways to define authority on a topic or in a discipline.
5. I feel comfortable calling myself a researcher, and am confident as an authority on my topic.
6. I value diversity of worldviews and opinions within my discipline.

Information Creation as a Process

1. I understand how to choose an appropriate format (like a graph, image, text, or video) for communicating information.
2. I know how to use different types of information formats to communicate the same message in different ways.
3. I understand that different information tools (like a research paper, a poster, or a presentation) have their own benefits and limitations.
4. I understand that different types of information have different values or uses, depending on the situation.
5. I enjoy discovering and using new tools for communicating and creating information.

Information Has Value

1. I know how to use the work of others to support my ideas by using proper citation techniques.
2. I can define and know how to use intellectual property laws and copyright.
3. I can define and know how to use fair use and open access resources.
4. I understand that my personal information has value online, and make informed choices to manage my preferences for how this information is used.
5. I value the information of others and respect the time and energy it takes to create it.
6. I feel comfortable as an active creator in the information economy, rather than as a passive consumer.

Research as Inquiry

1. I can determine the appropriate extent of assigned research projects.
2. I can organize and combine the information I locate into a coherent conclusion.
3. I can develop simple research questions.
4. I can develop critical research questions.
5. I am persistent when seeking information.
6. I am open-minded when seeking information.
7. I am curious when seeking information.

Scholarship as Conversation

1. I understand why I am responsible for citing information I use.

2. I understand when to cite information.
3. I understand how to cite information.
4. I seek out multiple perspectives when developing an understanding of a topic.
5. I critically evaluate the perspectives that I use to develop an understanding of my topic.
6. I recognize my work is a contribution to the body of research surrounding my topic.
7. I present my work as a contribution to the body of research around my topic.

Searching as Strategic Exploration

1. I can define the scope of an assignment.
 2. I can create search strategies to locate and collect the information I need.
 3. I can identify potential kinds of sources (newspaper, article, laws, policies, statistical data) when searching for information.
 4. I can identify the appropriate search tool (search engine, library catalog, database) to use when searching for information.
 5. I recognize the ways in which search tools organize information.
 6. I can refine the results of a search by using different search terms.
 7. I understand that the first search may not always produce the desired result.
 8. I recognize that not all information sources are going to be relevant.
 9. I understand that at times I may need to seek assistance when searching for information.
 10. I remain persistent when faced with a challenging search.
- I keep an open mind when searching for resources.