

Guided Inquiry Checklist

Exploration

- ☐ Will the topic be engaging to students?
- ☐ Can I introduce the project in a way that generates student questions, instead of just student answers?
- ☐ Can students observe phenomena related to the topic and ask questions before the investigation?
- ☐ Can students do some initial research on the topic?

Investigation

- ☐ Can students have some input into the design of the investigation, such as the identification of variables and the type of data they will need?
- ☐ Can I modify specific instructions for collecting data so students can take more control?

Interpretation

- ☐ Can students learn interpretation skills they have not used before?
- ☐ Can students expand the way they look at their data?
- ☐ In what ways can I ask students to think more deeply about their data?

Presentation

- ☐ Can I find ways for students to share their findings beyond the classroom?
- ☐ Can students engage in scientific dialogue to argue for their findings and respond to the findings of others?