

ways the Inquiry Project

reflects the Vision of the NGSS and Framework

1. The curriculum is a set of learning experiences aimed at understanding a **core science idea**, for example, the structure and properties of matter.
2. Each learning experience **builds on the ones before** and adds to students' understanding of the core idea.
3. Students understand scientific ideas by engaging in the **practices of science**.
4. An **investigation question** provides the focus for each learning experience and presents a problem for students to figure out.
5. Multiple opportunities for **formative assessment** are embedded in every lesson. Teachers use them to guide instruction and students use them to gauge their learning.
6. Students express their **initial and emerging ideas** about the investigation question. These ideas are the foundation for building deeper scientific understanding.
7. Students test their ideas through **firsthand investigation** and make their ideas explicit through talk and writing.
8. Students collect **observational and measurement data** in their investigations.
9. Make meaning discussions are a critical part of each investigation in which students:
 - **analyze data** to find evidence that can support a claim
 - use their data and experience to **construct explanations** and answer the investigation question.
10. Students **apply ideas** to new contexts.