

Planning STEM Into Your Lessons

A quick reflection tool for identifying where STEM already fits.

1. Identify the Core Learning

What knowledge or skills should students gain from this lesson?

2. Consider the Standards

What standards or outcomes does this lesson support?

3. Examine the Lesson Structure

Could any parts of the lesson be:

- Combined
- Condensed
- Extended for deeper learning

Notes:

4. Look for Natural STEM Connections

Where could a hands-on experience deepen understanding?

5. Identify STEM Skills Students Might Practice

- Build / Engineer
- Design
- Experiment
- Invent
- Explore
- Work With Data



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6. Consider Independent Learning Opportunities

Could students explore or practice these skills during:

- center time
- early finisher time
- choice time
- short exploration periods

Ideas:

7. Look for Opportunities to Combine Learning

Could this lesson serve more than one purpose?

Examples:

- writing + observation
- math + measurement
- science + drawing or labeling

Notes:

8. Define What Success Looks Like

How will students demonstrate understanding?

Final Reflection

How could this lesson support deeper thinking through STEM?

