



# NGSS Alignment Checklist

Use this checklist to evaluate and refine AI-generated lessons for rigor and alignment.

## NGSS Standard Alignment

- ☐ Identify the NGSS standard this lesson supports.
- ☐ Locate the relevant Performance Expectation(s) (PEs) that clarify what students should be able to do to meet the standard.
- ☐ Ensure lesson activities and assessments align with the intent of the standard and address its associated PE(s).
- ☐ Confirm alignment to the appropriate grade-band expectations and build upon prior knowledge.

## Performance Expectations (PEs)

- ☐ Confirm alignment to the appropriate grade-band expectations and build upon prior knowledge.
- ☐ Identify the NGSS Performance Expectation (PE) targeted in this lesson
- ☐ Ensure lesson activities directly address the PE statement
- ☐ Check alignment with grade-band appropriate standards

## Three-Dimensional Alignment

- ☐ Science & Engineering Practices (SEPs): Are students engaging in authentic practices (e.g., modeling, analyzing data, argumentation)?
- ☐ Disciplinary Core Ideas (DCIs): Does the lesson connect to core disciplinary concepts?
- ☐ Crosscutting Concepts (CCCs): Are patterns, systems, cause/effect, or other CCCs explicitly highlighted?



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## Checks for Understanding (CFUs)

- ☐ Embed quick formative checks (exit ticket, poll, quiz item, think-pair-share)
- ☐ Ensure CFUs provide evidence of student thinking, not just recall
- ☐ Adapt CFUs for multilingual learners (sentence frames, visuals)

## Equity & Accessibility

- ☐ Include supports for multilingual learners (word banks, visuals, sentence frames)
- ☐ Provide differentiation (tiered questions, modified texts, pacing supports)
- ☐ Ensure multiple modalities are available (text, visuals, video, discussion)

## Lesson Quality & Adaptation

- ☐ Is the content scientifically accurate and age-appropriate?
- ☐ Have you contextualized examples with local phenomena or culturally relevant content?
- ☐ Does the lesson provide opportunities for student voice and choice?