

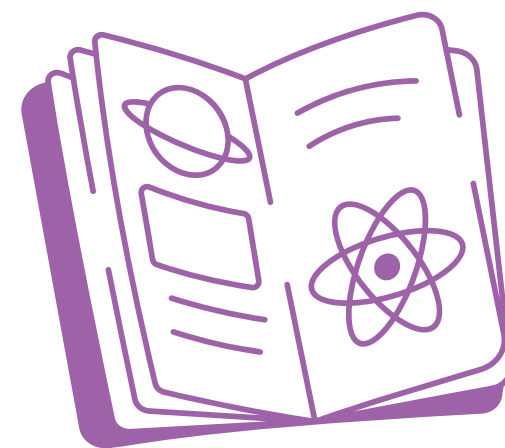


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7 Ways ESL + Bilingual Teachers Can Integrate Science into Classrooms for Emergent Bilingual Learners



1. Background knowledge



Create lessons that connect with students' natural world. By using assessments, teachers can gauge students' understanding, while real-world science activities effectively integrate social and academic language learning.

2. Encourage communication



ESL learners progress at different rates, often leading to hesitance in speaking. To build confidence, create a supportive environment with reliable buddies and small group discussions, as an interactive classroom encourages language learning for all.

3. Use Science-based resources



Encourage students to illustrate their notes and explore science-themed articles to boost reading comprehension and fluency. Enhance language retention by using vibrant vocabulary walls and engaging, hands-on resources aligned with state standards.

4. Offer versatile science experiments:



Hands-on science experiments, like building a volcano, are great for teaching key concepts while boosting language skills.

Allowing students to take charge encourages critical thinking and active participation. Just adjust the pace to keep them appropriately challenged.

5. Share short science videos



Videos can help emerging bilingual students improve their listening and comprehension skills. Choose topics that spark discussion and debate, allowing them to practice English while thinking critically. Find a way to connect lessons to their own lives makes the learning even more impactful.

6. Incorporate and practice writing



Daily writing activities, such as journaling and responding to questions, can boost emergent bilingual students' writing skills. Choosing engaging Science topics that relate to their lives is essential for inspiration. With the right support, all students can improve their writing in Science and beyond.

7. Get out in the world

Field trips to Science museums, state parks, or immersive experiences allow emergent bilingual students to learn while practicing their language skills. Also, virtual field trips, real-world class projects, and interactive simulations can effectively engage students and make Science come alive.



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