

22 TIPS FOR

NEW SCIENCE TEACHERS



1. Design a classroom layout that is conducive to doing labs and group work.
2. Label your groups and individual seats.
3. Decide how you will teach the topic or concept.
4. Determine how students will be graded on each task.
5. Don't be afraid to incorporate technology into your lessons.
6. Science videos are a great way to explain concepts visually.
7. Teach students the rules, procedures, and expectations for group work.
8. Teach students proper lab techniques.
9. Teach lab safety.
10. Use visuals to teach concepts.
11. Teach or review the steps of the scientific method (scientific inquiry).
12. Teach students how to write a lab report, gather data, create charts, and write a conclusion.
13. Gather supplies in advance.
14. Set up supplies for activities in advance.
15. Organize your supplies.
16. Practice the lab before you present it to students.
17. Review lab instructions and check for understanding before they begin the activity.
18. Designate roles for group members.
19. Monitor students during group activities.
20. Do lab demos when necessary.
21. Review the results of the activity before they submit their work.
22. Make sure students and parents understand that every science concept will not have a lab component. Explain that some scientific info is theoretical. Therefore, it may just require paper, pencil, and problem-solving. Every topic will not require an elaborate lab activity.

