

# Top 10 Tips to *'Become a Scientist'*



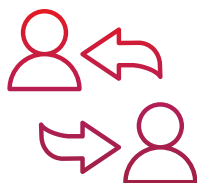
## 1. Prepare

Science is rich with content, and it builds on itself. You'll need some foundational information to get started.



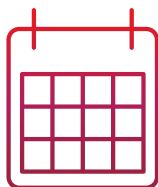
## 2. Practice

Spend time with the material to truly learn it. Use tools like LearnSmart® Prep and SmartBook® for practice.



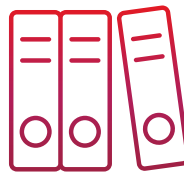
## 3. Become the Teacher

The best way to determine if you know the content is to explain it to others. Form study groups and help test each other.



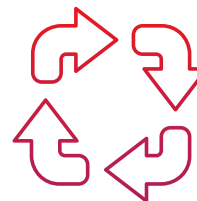
## 4. Avoid Cramming

Study regularly, as there is just too much information to learn it all at once. Set a schedule to build your knowledge of the material.



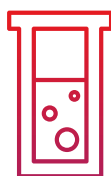
## 5. Refresh Frequently

Science builds on prior knowledge, so go back and be sure you know what you learned earlier and can relate it to the new material.



## 6. Design the Experiment

To do good science, you must be able to design scientifically sound experiments. Use the Scientific Method to become a better critical thinker.



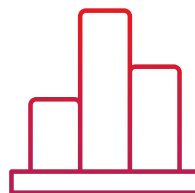
## 7. Develop the Technical Skills

Science is more than just concepts in a book. It is also about knowing how to perform the techniques, use the equipment, and carry out the experiment.



## 8. Collaborate

No researcher works alone. Learn how to collaborate effectively, share ideas, and produce a better product by relying on the strengths of others.



## 9. Decipher the Data

A key part of science is understanding the data that are presented. Graphs, tables, pathways, etc. are all key components in doing science.



## 10. Think Critically

Experiments never work the first time! A key part of doing science is thinking critically about how to improve the process and what you can learn from unanticipated results.