

**BHARATIYA VIDYA BHAVAN'S V M PUBLIC SCHOOL
VADODARA**

HOW TO SCORE GOOD MARKS IN SCIENCE CLASS X

Teachers-

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Challenges are high, dreams are new,
The world out there is waiting for you,
Dare to dream, Dare to try,
No goal is too distant, No star too high.

CBSE Class X's Science exam focuses on testing basic concepts in all three areas; chemistry, physics and biology. Those students who wish to pursue the science stream in class XI are advised to strictly focus on all these three areas as this will clear their foundations.

Tips and Strategies to get a perfect score in Std 10th CBSE Board Examination

- Take efficient notes to help during studying in addition to studying from books.
- Clear any doubts you have at the earliest from a teacher and write down your doubt and what you understood in your own words.
- Create a separate list of important formulae to remember.
- Focus on understanding the basic concepts and then remembering the details.
- Write answers in your own words so you don't have to rely on memorized answers.
- When writing your own answers the goal is clarity.
- The candidates should prepare flow charts at the end of every topic, this helps during the time of revision;
- Practice diagrams; neatly drawn and labeled diagrams are scoring.
- Make a study schedule and stick to it as much as possible. Give time for difficult chapters, easy chapters, breaks and rest.
- Keep reasonable targets but definitely meet them. The successful feeling will further boost your studies.
- Whichever study timings you prefer, late night studying or early morning studying make sure that you compensate on sleep.

- Use flash cards for key definitions
- Pay attention in Practical classes, they might be for only 12 marks but taking interest since the beginning will help your preparation for theory exam as well, because understanding practically will help you in remembering theory.
- Study subject-wise, all physics topics together, chemistry topics together and biology topics together.
- **PHYSICS** - Get a grip on the fundamental concepts of the subject .Use the formulae extensively in solving various problems from last years' papers and model papers.
- **CHEMISTRY** - The good news is this is a high-scoring subject, and also requires lesser time for preparation. Speed and accuracy in solving different problems can be acquired through in-depth study of the subject and extensive practice. Study the name reactions; make charts of formulae along with names and revise them as and when possible.
- **BIOLOGY** - As the subject includes lots of diagrams, give special attention to important diagrams and their theory. Make sure you remember the important terms and their respective functions. Biology involves learning and memorising difficult terminology. Write such terms repeatedly so as to get acquainted with them. Get thorough with the important definitions as the subject is mostly theory.
- Complete all topics and focus primarily on NCERT books.
- Revise at least twice.
- Identify trends
- Identify your weak areas
- Practice answering within the time limit
- Thoroughly revise your weak areas. Take help from a teacher to understand the topic if there is any confusion; don't try to blindly memorize it.
- The candidates should try to practice various CBSE sample papers. The candidates should solve the practice papers within the stipulated time (if possible during 10 am to 1 pm), this helps in creating a mindset for the actual exam;
- Merely reading the summary of the topic will not help. The candidates should study the topics in depth

While attempting the Paper

- The candidates should try to solve the question paper in the given sequence. In case, the candidates do not know the answer to a particular question, they should leave space for that and go on the next question without wasting much time.
- The candidates should label the diagrams properly.
- The candidates should give precise answers.
- The keywords or important sentences should be highlighted. Also, the candidates should keep the word limit in mind while answering the questions.

Top Tips For Increasing Concentration

- Start assignments with some curiosity about the material and a **positive attitude toward learning**.
- Designate a **place** where you go only to study. Use proper lighting.
- **Identify your distractions. Find ways to decrease** them or to postpone them until study breaks (e.g., taking the phone off the hook, turning off instant messenger).
- Use "**active study**" techniques: sit straight in a chair at a desk, start out with questions about the material, outline chapters, underline key phrases after reading a section, write notes in margins, ask yourself what you have learned.
- **Divide your work** into smaller manageable tasks that can be completed in a short period of time.
- **Use times of peak alertness** for studying difficult or less interesting topics. When you are tired or hungry concentration will be lowered.
- **Take breaks** when you have completed tasks or when you feel concentration has decreased. Breaks should be approximately 10-15 minutes.
- If you have other assignments or issues on your mind write them down on a "to do" list or take a small step to deal with them. Then get back to focusing on the task at hand.

Study Time-Table

- Make a realistic time table for your study i.e. which can be followed
- Make a flexible time table for study with some rigidity. For example, if you want to devote 2 hours daily for science, then try to maintain the time of 2 hours everyday without fixing a rigid time.
- Try to stick to your schedules. For example, If you have decided to devote a total of 5 hours for self study, try to stick to that and study at least that much.
- The time table should be such that it is open to changes with time. After following the time table for few days, if you feel, overall time period or time period for a particular subject are improper then change them according to your requirements.
- Initially, don't make exhaustive time table for self study. Increase your study timings every week. For example, if you are studying 3 hours in a week, try to increase 15 minutes in first week, 15-20 minutes in next week and so on.

How to Do Well in Science Class

Method – 1 : Developing Effective Study Skills

- **Find a quiet place to study.** You'll need to have a place where you can study that is free of disruptions and interruptions. This might be in your bedroom, in a library, or in another room. You'll have to be honest with yourself about what your own needs are.

- **Study in blocks of time.** Sitting and studying for unlimited lengths of time will lead to boredom and distractibility. Instead, study in blocks, interrupted by short breaks where you stand up and move around away from your study area.
- **Reread your notes after class.** If there's anything in your notes that confuses you, or which you feel might be wrong, check with your teacher or a classmate to ensure you have the right information
- **Refer to multiple sources.** When you're studying your notes, refer not only to the textbooks you've been given, but use internet searches to supplement your understanding. Sometimes your subject matter will be better explained by another source.
- **Learn the reasons behind the facts.** Science might seem like a lot of facts, but each fact was found out by someone's trying to answer the question "Why?" Learning how things fit together will help you make sense of the facts you're learning in science class
- **Become familiar with the metric system.** A lot of science is done using the metric system, since this is the system most commonly used internationally. The metric system is based on units of 10, and is used to measure length, mass and time
- **Think about teaching someone else.** When you think you understand the material, try to explain it to someone else. Teaching another person is the best way of knowing for sure whether or not you really understand the material you've been studying. If you can test your knowledge on a friend or family member, this will help you assess your own knowledge

Method – 2 : Participating In Science Class

- **Read the assigned material.** When your teacher assigns reading from a textbook or website, take time to read it before you come to class. If you don't have time to read it well, it's a good idea to scan it so that you have an idea what it's about.
- **Pay attention to any recommended reading.** If your instructor makes materials available online, or recommends certain videos or websites, take advantage of these resources when you prepare for your labs. Many teachers provide online notes, review sheets, or other information for their students' review
- **Pay attention to demonstrations.** Science classes often have demonstrations done by the teacher or other students which you're expected to be able to replicate. If you're going to do well in science, it's a good idea to pay close attention to any demonstration that's done in class.
- **Practice good test-taking skills.** When you take a science test, you'll want to make sure you've correctly interpreted each problem before solving it. Draw a picture or a diagram if you need to. Then, when you've answered the question, check to see if your answer makes sense given the parameters of the question. If not, reconsider your approach

Method – 3 : Doing A Good Job In Labs

- **Be prepared for the lab.** Many science classes include labs, which are demonstrations of techniques you've learned about in your textbook or lectures. Your teacher will expect you to show up ready to start your lab
- **Keep a laboratory notebook.** This notebook should be a bound journal, not loose leaf, with numbered pages that are never removed or torn out. It is a permanent record of the observations you make in your lab. You'll write your lab report based on records you've kept in your notebook.
- **Work effectively with others.** Many times, lab experiments are meant to be done by a group of 2 or more students. This means that you probably won't have time to do the whole experiment on your own, and will need to rely on the group's efforts.

Like Lord Krishna said,

***“Karmanye Vadhikaraste Ma Phaleshu Kadachana, Ma Karma Phala Hetur
Bhurmatey Sangostva Akarmani;”***

(You should concentrate on performing to the best of your abilities while not worrying much about the end results)

GOOD LUCK FOR YOUR EXAMS