

23 Years of Service to Education...



DISHA NUCLEUS

Senior Secondary School for Science & Commerce Stream

Educational Institute for JEE / NEET / NDA / CA / CS / CUET

PROSPECTUS



for



Website : www.dishanucleus.in



for











**Infront of Indoor stadium, Sandy's Compound,
Near Ghuran Peer Baba Chowk, Chhoti Khanjarpur, Bhagalpur
0641-2434301, 9709595643, 9570995992, 9931728466**

Mission & Vision

From a humble beginning in the year 2003 Disha Nucleus has come a long way. Since its inception the institution has left no stone unturned to serve the people of Bhagalpur and its adjoining areas in the field of education. Disha Nucleus has lead the cause of education without any discrimination of caste, creed and religion. At Disha Nucleus we train the students in the field of science and commerce with such modus operandi that they not only learn and gain knowledge in the best possible way but also get fully equipped for competitive exams like JEE / NEET / CA / CS / NDA / CUET.

Our institution takes care that appropriate extra curricular activities like Sports tournament, Science exhibition, Cultural programmes, Quiz competitions etc are conducted on a regular basis. Thus we at Disha Nucleus go all out to impart the best through the best. For we believe that only proper direction through human values can teach them the real achievement. thus we welcome all aspirants to our institution for a better and successful tomorrow for we strongly believe that Disha Nucleus. "WHERE IS NO ALTERNATIVE TO SUCCESS"

WHY JOIN DISHA NUCLEUS ?

-  **Disha Nucleus School is affiliated to CBSE and offer two streams, Science and Commerce to its students in Class XI and XII.**
दिशा न्यूक्लियस को C.B.S.E से मान्यता प्राप्त है और छात्रों को 11वीं एवं 12वीं में साइंस और कॉमर्स में Admission प्रदान करती है।
-  **All types of certificates will be provided by Disha Nucleus.**
दिशा न्यूक्लियस के द्वारा सभी प्रकार के प्रमाण-पत्र प्रदान किये जाएंगे।
-  **Disha Nucleus has permanent faculty for the last 23 yrs. which has helped the school create a group of eminently experienced teachers.**
दिशा न्यूक्लियस में पिछले 23 वर्षों से स्थायी शिक्षक है, जिन्होंने मिलकर विद्यालय को एक अनुभवी शिक्षकों का समूह बनाया है।
-  **Disha Nucleus prepares students for competitive exams along with board exams. The first four hours are for preparing board level exams while the last two hours are for preparing competitive exams, i.e. Disha Nucleus has a total six hours of classes for students every day.**
दिशा न्यूक्लियस में बोर्ड परीक्षाओं के साथ-साथ प्रतियोगी परीक्षाओं की भी तैयारी करवाई जाती है। पहले चार घंटे बोर्ड स्तर परीक्षाओं की तैयारी के लिए होती हैं जबकि अंतिम दो घंटे प्रतियोगी परीक्षाओं की तैयारी के लिए , यानी दिशा न्यूक्लियस में हर दिन छात्रों के लिए कुल छह घंटे की कक्षाएं होती हैं।
-  **Attendance is recorded daily in the school. If children are absent for any reason, their parents/guardians are informed about it by phone.**
स्कूल में प्रतिदिन उपस्थिति दर्ज की जाती है। यदि किसी कारणवश बच्चे अनुपस्थित रहते हैं तो उनके माता-पिता/अभिभावकों को फोन करके इसकी सूचना दी जाती है।
-  **Monthly tests are conducted to cater to the student's need on two levels Board Exams and Competitive Exams.**
स्कूल द्वारा विद्यार्थियों के लिए बोर्ड एवं कम्पीटिशन दोनों पैटर्न की मासिक परीक्षाएँ ली जाती है।
-  **We conduct Periodic Analysis of student's performance on regular basis.**
स्कूल द्वारा नियमित रूप से विद्यार्थियों की एकेडमिक परफार्मेंस का विस्तृत विश्लेषण रिपोर्ट दिया जाता है।
-  **State of the art teaching and easily affordable fees make Disha Nucleus School most cost effective and the first choice for both students and parents.**
दिशा न्यूक्लियस स्कूल में समुचित व्यवस्था, योग्य शिक्षक एवं उचित फीस होने के कारण, बच्चों एवं अभिभावकों की पहली पसन्द है दिशा न्यूक्लियस स्कूल।

OUR STRENGTH



Physics

Er. Ram Krishna Sinha

B.Tech (Electrical & Electronics)
23 Yrs. Exp.
Honoured by "Bihar Shiksha Ratna "



Commerce

Dr. Vivek Kumar

Ph.D
B.Ed., M.Com
17 Years Exp.



Mathematics

Mr. Abhishek Kr. Sinha

M.Sc.
16 Yrs. Exp.



Economics

Dr. Prem Shankar Singh

Ph.D
M.A (Economics)
33 Years Exp.



Chemistry

Er. Md. Zeeshan Ahmad

B.Tech (Mechanical)
(B.C.E. BGP.)
12 Yrs. Exp.



Applied Mathematics

Mr. Abhishek Kr. Sinha

M.Sc.
16 Yrs. Exp.



Chemistry

Mr. Amit Aman

M.Sc. (Chemistry)
B.Ed., Ph.D. (PURSUING)
12 Yrs. Exp.



English

Md. Nawaal Shahid

M.A.(English)
5 Years Exp.



Biology

Mr. Santosh Kr. Sharma

M.Sc (Botany)
B.Ed.
16 Yrs. Exp.



Music

Ravi Raj

M.A. Music
7 Years Exp.



Biology

Dr. Niraj Kumar

M.V.Sc
11 Yrs. Exp.

Administration Department



Binod Kumar



Pradeep Kumar



Md. Azad Khan



Manish Kumar

The most important thing for any student is which teacher will teach him/her throughout the 2 years. Disha Nucleus assures you that all our teachers will teach you with complete honesty for the entire 2 years.

किसी भी छात्र के लिए सबसे महत्वपूर्ण बात यह है कि पूरे 2 साल में उन्हें कौन से शिक्षक पढ़ाएंगे। दिशा न्यूक्लियस आपको विश्वास दिलाता है कि हमारे सभी शिक्षक आपको पूरे 2 वर्षों तक पूरी ईमानदारी के साथ पढ़ाएंगे।

"We Promised - We Delivered"

Our Top Performers

 OUR 1st IITIAN AMIT KUMAR IIT - JEE 2004	 OUR ACHIEVER IN NEET APURVA LAL RANK - 858	 OUR ACHIEVER IN NEET ASHUTOSH RANK - 703	 OUR ACHIEVER IN JEE ADVANCED GAURAV KUMAR RANK - 703	 GYANENDRA BHARTI AIR - 537 UPSC 2023 (IPS)	 HARSH KUMAR AT PRESENT STUDYING IN IIM NAGPUR	 CBSE BOARD (SCIENCE) JAYANT KR. GUPTA 3rd Rank Year - 2019	 OUR ACHIEVER IN NEET MAHEEN ERUM RANK - 604
 BIHAR BOARD (SCIENCE) PRITI KUMARI TOPPER YEAR-2009	 OUR ACHIEVER IN NEET RUSHALI YADAV RANK - 296	 OUR ACHIEVER IN NEET SUNANDA RANK - 419	 IIT - JEE 2012 RAHUL KUMAR AIR 1 (PH)	 COMMERCE ACHIEVER ABHINAV KUMAR CHARTERED ACCOUNTANT	 COMMERCE ACHIEVER ANKIT GOYAL CHARTERED ACCOUNTANT	 COMMERCE ACHIEVER AYUSH KUMAR COMPANY SECRETARY	 COMMERCE ACHIEVER AYUSH KUMAR CHARTERED ACCOUNTANT
 COMMERCE ACHIEVER JYOTI KUMARI COMPANY SECRETARY	 COMMERCE ACHIEVER LADLI GUPTA COMPANY SECRETARY	 COMMERCE ACHIEVER NEHA AGARWAL CHARTERED ACCOUNTANT	 COMMERCE ACHIEVER PRIYANKA KUMARI COMPANY SECRETARY	 COMMERCE ACHIEVER RAHUL KUMAR CHARTERED ACCOUNTANT	 COMMERCE ACHIEVER SHREYA RAMUKA CHARTERED ACCOUNTANT	 COMMERCE ACHIEVER SHRUTI RAMUKA COMPANY SECRETARY	 COMMERCE ACHIEVER TRIPTI RAJ COMPANY SECRETARY

Our Achievers in JEE Advanced

								
Gaurav Kumar	Rishav Raj	Vibhash	Rajat Gupta	Deepali	Jyoti	Sonali	Mehboob	Md. Raj
								
Manish	Rafia	Ankita	Shurbhi	Subeer	Anupam	Vishwas	Anuj	Sagar

Our Achievers in NEET/AIIMS

								
Rushali Yadav Rank-296	Maheen Erum Rank-604	Ashutosh Rank-703	Saurabh Rank-502	Sunanda Rank-419	Apurva Rank-858	Neha Rank-638	Abhishek Marks : 422	Tushar Marks : 404

Our Achievers in C.A/C.S Foundation

								
Neha CPT	Aishwarya CPT	Meenakshi CPT	Rahul CPT	Nidhi CPT	Sunil CPT	Piyush CPT	Ankit CPT	Shruti CS
								
Shubham CS	Ayush CS	Anashuman CA Foundation	Ayush CA Foundation	Jyoti Kumar CS	Richa CS	Tripti Raj CS	Vivek Kumar CS	Priyanka CS

Disha Nucleus assure you that the commitment made by us at the time of admission will definitely be fulfilled for 2 years.

दिशा न्यूक्लियस आपको विश्वास दिलाता है कि, एडमिशन लेने के समय आपसे जो वादा किया जाएगा उसे दो साल तक जरूर पूरा किया जाएगा।

SYLLABUS FLOW

PHYSICS

Study module 1

Hours

■ Mathematical Tools (Graphs & Vectors)	6
■ Physics and Measurement	2
■ Kinematics	6
■ Laws of Motion	12
■ Work, Energy and Power	4

Study module 2

■ Rotational Motion	12
■ Gravitation	10
■ Properties of Solids and Liquids	6

Study module 3

■ Kinetic Theory of Gases and Thermodynamics	10
■ Oscillations	8
■ Waves	10

MATHEMATICS

Study module 1

Hours

Sets, Relations, function (XI PORTION)	15
Trigonometric Ratios & Identities	5
Trigonometric Equations	5
Heights and Distances	3
Complex Numbers	10
Quadratic Equations	5
Mathematical Induction	5
Permutations and Combinations	10
Binomial Theorem & Its Simple Applications	5
Sequences and Series	10

Study module 2

Cartesian co-ordinates	5
Straight Line	7
Pair of Straight Lines	5
Circle & Family of Circles	10
Conic Sections	10
Limits & Derivatives (XI portion)	5
Three Dimensional Geometry (XI portion)	4
Statistics	5
Probability (XI portion)	7
Mathematical Reasoning	5

CHEMISTRY

Study module 1

Hours

Some Basic Concepts of Chemistry	7
States of Matter (Gaseous & Liquid)	8
Atomic Structure	18
Classification of Elements & Periodicity in Properties	18
Chemical Bonding and Molecular Structure	14
Chemical Thermodynamic	14
Equilibrium	17
Redox reactions	4

Study module 2

Hydrogen	4
s-Block Elements	6
Some p-Block Elements (B, C)	6
Purification and Characterisation of Organic Compounds	3
Some Basic Principles of Organic Compounds	12
Hydrocarbons	12
Environmental Chemistry	2

BIOLOGY

Study module 1

Hours

Living world	3
Biological classification	10
Plant kingdom	12
Animal kingdom	20

Study module 2

Physiology of digestion	8
Breathing & gaseous exchange	8
Body fluid & circulation	12
Excretion	6
Locomotion & movement	6
Nervous co-ordination (brain, eyes, ear)	18
Chemical control & coordination	12

Study module 3

Cell : unit of life	30
Biomolecules	25
Cell division	10

Study module 4

Transport in plants	12
Mineral nutrition	6
Photosynthesis	8
Cell respiration	8
Plant growth & development	6

Accountancy

Chapter

Hours

Introduction to Accounting	3
Basic Accounting Terms	3
Theory Base of Accounting, Accounting Standards and Indians Accounting Standard (Ind-AS)	4
Bases of Accounting	2
Accounting Equation	6
Accounting Procedures - Rules of Debit and Credit	3
Origin of Transactions - Source Documents and Preparation of Vouchers	3
Journal	16
Ledger	10
Special Purpose Books I-Cash Book	6
Special Purpose Books II-Other Books	6
Accounting of Goods and Services Tax (GST)	10
Bank Reconciliation Statement	8
Trial Balance	3
Depreciation	16
Provisions and Reserves	4
Accounting for Bills of Exchange	10
Rectification of Errors	8
Financial Statements of Sole Proprietorship	10
Adjustments in Preparation of Financial Statements	15
Accounts from Incomplete Records - Single Entry System	12

Economics

Study module 1

Hours

Part A :- Statistics for Economics

Unit 4 :- Measurement Dispersion	20
Unit 5 :- Correlation	22
Unit 6 :- Introduction to Index Number	24

Part B :- Introduction for Micro Economics

Unit 1 :- Introduction	8
Unit 2 :- Producer behaviour & market supply	34
Unit 3 :- Forms of market and price determination with simple application	34

Business Studies

Chapter

Hours

1. Nature and Purpose of Business	18
2. Forms of Business Organisations	24
3. Public, Private and Global Enterprises	18
4. Business Services	18
5. Emerging Modes of Business	10
6. Social Responsibility of Business and Business Ethics	12
7. Sources of Business Finance	30
8. Small Business	16
9. Internal Trade	30
10. International Business	14

English

A. Reading Comprehension Unseen Passages	
(B) Creative Writing	
(i) Notice	2
(ii) Letter	2
(iii) Speech	2
(iv) Posters	2
(C) Grammar (Full)	21
C.B.S.E Syllabus	
(i) Determiners	2
(ii) Tense	2
(iii) Re-ordering Sentences	2
(D) Literature	
(i) Hornbill (Full)	20
(ii) Snapshots (Full)	20

our commitment

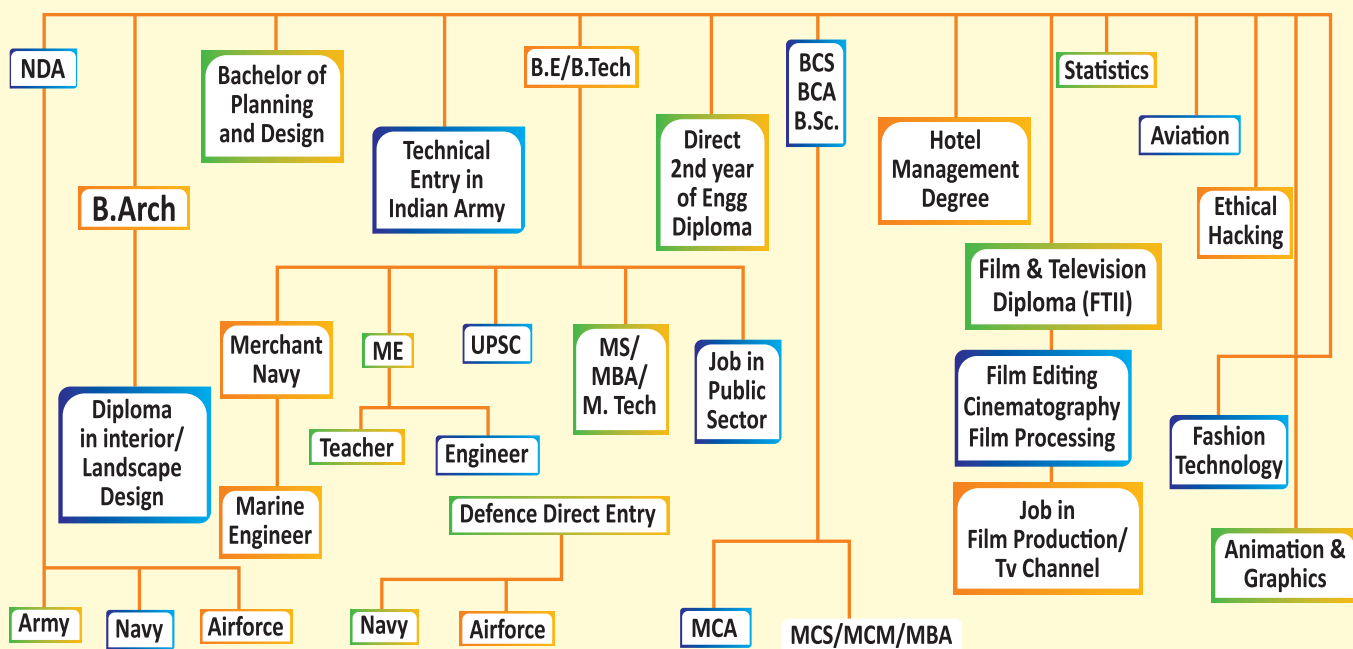
We are committed to complete our course on time.

हम अपने Syllabus को Time से Finish करने के लिए प्रतिबद्ध हैं।

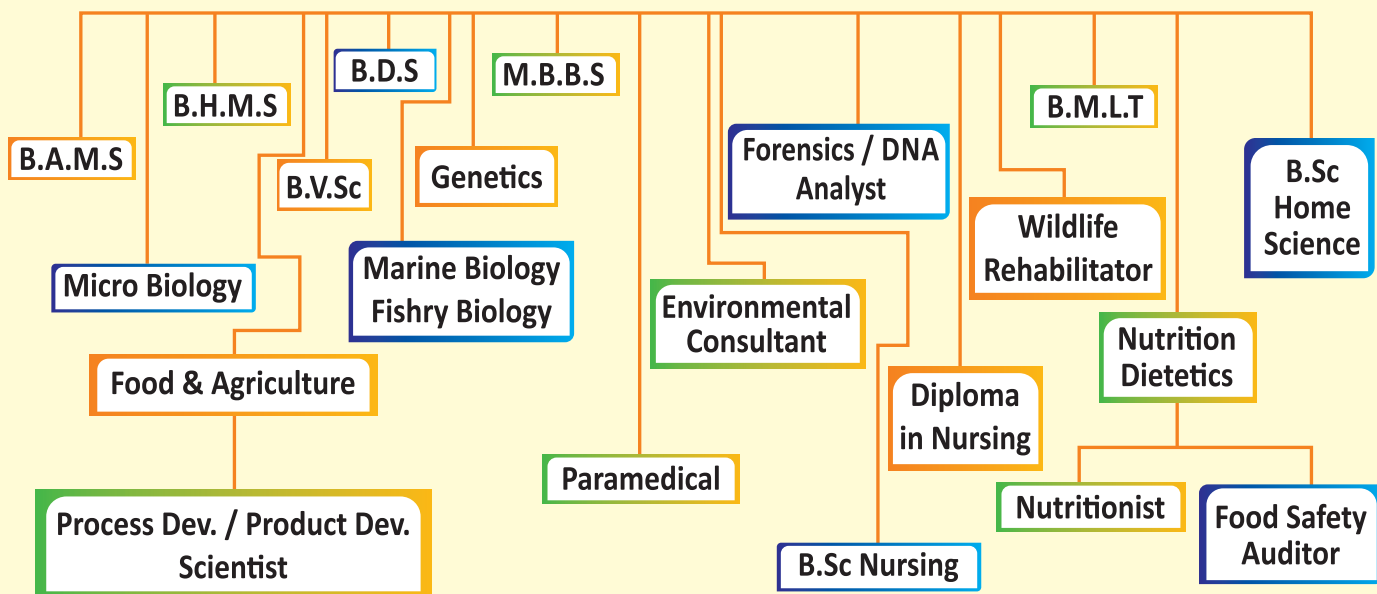
Class 11th syllabus will be completed by January 20

Class 12th syllabus will be completed by September 30

CAREER OPTIONS IN SCIENCE STREAM WITH MATHEMATICS



CAREER OPTIONS IN SCIENCE STREAM WITH BIOLOGY



ADVANTAGE

Students whose main subject is Biology in Disha Nucleus are taught Mathematics separately in order to strengthen their Physics and Chemistry.

जिन छात्रों का Main Subject दिशा न्युक्लियस में Biology है, उनकी Physics और Chemistry को Strong करने के लिए उन्हें अलग से Math पढ़ाया जाता है।

HOW WE NURTURE

First Shift Class

(For Board Exam)



Second Shift Class

(For Competitive Exams)



Doubt Class

(For Addressing Queries)



Revision Class

(Before Each Examination)



PERIODIC TESTS



MATH LAB



PHYSICS LAB



CHEMISTRY LAB



BIOLOGY LAB



COMPUTER LAB



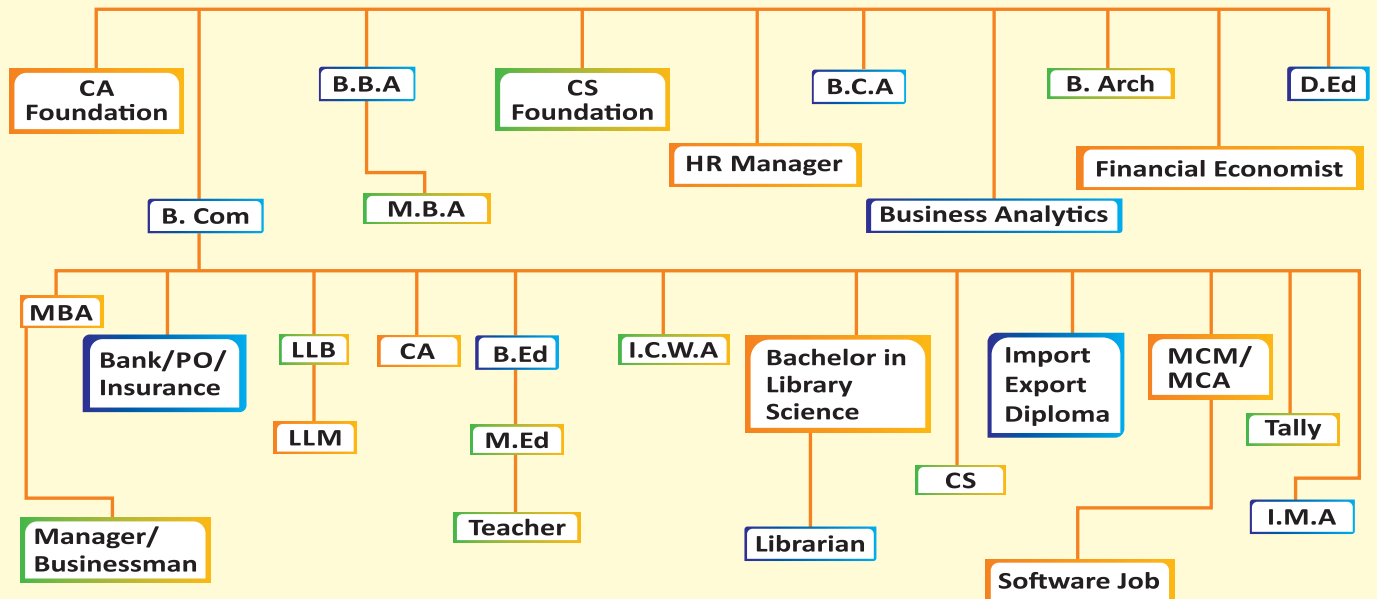
MUSIC LAB



LIBRARY



CAREER OPTIONS IN COMMERCE STREAM



ADVANTAGE In Disha Nucleus, the students who have Commerce as their main subject, are taught Applied Math separately to clear CA Foundation in the current year itself.

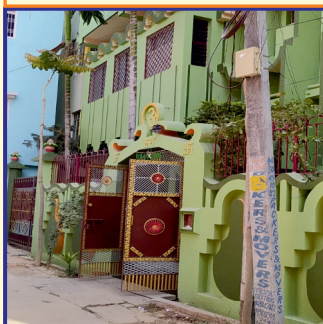
दिशा न्युक्लियस में जिन छात्रों Main Subject Commerce है, Current Year में सी.ए. फाउंडेशन की परीक्षा को पास करने के लिए उन्हें अलग से Applied Math पढ़ाया जाता है।

Additional Supports

FIRST AID



GIRL'S HOSTEL



BOY'S HOSTEL



SPORTS



TRANSPORT



CULTURAL ACTIVITY



SEMINAR



SMART CLASS



RULES AND REGULATION

This document informs you of the various Rules and Regulations of Disha Nucleus . Please read this carefully and sign at the end for acceptance.

1. Fee once paid will not be refunded or adjusted at any stage and under any circumstance.
2. Students enrolled at Disha Nucleus have to maintain proper decorum in the institute premises at all times. Indiscipline of any form or misbehavior with staff could lead to suspension
3. Student who frequently come late to the institute may not be allowed in the institute premises.
4. If a student is absent from classes more than three days in a row he/she is required to inform the Principal In case of absenteeism for long periods without any prior information, the admission of student may deemed cancelled without any notice and without any refund of fee.
5. Any disputes is subject to arbitration and jurisdiction of court of Bhagalpur only.
6. Any change of address should be notified to the office administration without delay.
7. Student must be in possession of Disha Nucleus card while coming for classes and must produce the same for scouting by the staff, before entry. Identity cards lost or misplaced will be replaced with duplicate identity card on depositing a passport size photograph and 100/-
8. Non Payment of installment by specified date may lead to suspension of the ward from the classes.
9. The use of mobile phone is strictly prohibited in school campus.
10. The student is responsible to see for himself/herself whether he/she is eligible for a certain examination / course or not. The institute would not be responsible if the student's admission form is not forwarded or is rejected on any ground. Getting admission form and submitting to the examining body for JEE/Medical/C.A/C.S other entrances will be the sole responsibility of students/parents.
11. Students enrolled with Disha Nucleus have to submit a photocopy of their admit card and application form of JEE/Medical/C.A/C.S other entrance examination as soon as they receive it.
12. Disha Nucleus reserves the right to use the photographs and testimonial letter of the student in any promotional/publicity material of the institute.
13. In order to help the students, the institute may provide information about some private hostels being run in the vicinity of the institute. Disha Nucleus does not take any responsibility for any hostel whose information may be provided by it.
14. I/We confirm that I/We have read carefully and accept the Terms & Condition of Disha Nucleus.

Date :

Signature of Parent/Guardian

Signature of Student

AFFILIATED TO CBSE, NEW DELHI, UPTO SENIOR SECONDARY LEVEL

AFFILIATION NO.: 331023

School No.: 66764



Fee Structure

SCIENCE STREAM : Our School program is one of the most effective courses for CBSE board and JEE/NEET examination preparation. This program prepares students for both school curriculum (Physics, Chemistry, Mathematics/Biology & English) and JEE/NEET Exams. Extra care is taken to ensure that the sudden transition from class XI goes smoothly along with JEE/NEET examination preparation. Besides the academic inputs, the course has been designed with lot of stress being laid to motivate the students from time to time.

COURSE DETAILS

Eligibility	10th Pass Student
Target	Board/JEE/NEET/K.V.P.Y/NDA/CUET
Admission Procedure	Direct Admission/Screening Test
Class Interaction	Six Days in a Week
Course Duration	2 Years
Course Fee	60,000 Yearly

COMMERCE STREAM : In today's world Commerce is not only limited to the field of trade but it has spread far beyond. Commerce and Commercial Studies today play a major role in almost all spheres of development. Our two year school programme in commerce has been designed in such a way that it not only fulfills the curriculum needs of the students but also makes students aware of the latest development in the field of Finance and Business, and face any challenge, whether it be board exam or CA Foundation and come out as winners.

COURSE DETAILS

Eligibility	10th Pass Student
Target	Board/CA Foundation/CS/CLAT/CUET
Admission Procedure	Direct Admission/Screening Test
Class Interaction	Six Days in a Week
Course Duration	2 Years
Course Fee	45,000 Yearly

- Note : 1 -** Those students who want to register for CBSE in class 11th through Disha Nucleus will have to pay the registration Fee 20000/- separately.
- Note : 2 -** Additional 10% concession on Fee for one time payment mode.
- Note : 3 -** Expenses for Uniform , Books , Practical Fee , Cultural events are not included in course Fees.

Remarks :

23 Years of Service to Education...

DISHA NUCLEUS

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