Senior Secondary Subject Options (Grades 11 & 12)

The New Indian School, Umm Al Quwain follows the CBSE curriculum, offering a comprehensive and structured academic approach. The subject options cater to various career aspirations, with flexibility to choose subjects aligned with students' interests and goals. Below are the available subject options for the 2025-2026 academic session.

Core Subjects

All students are required to study the following core subjects:

Subject	Description
Islamic Education	Mandatory for Muslim students, focusing on Islamic studies and values.
MSCS (Moral Science & Character Studies)	Focuses on character building, ethics, and social responsibility.

Elective Subject Combinations

Students must select **four additional elective subjects** based on their interests and future career paths. A minimum of 10 students must opt for a subject for it to be offered by the school

A. Science Stream (For Students Interested in Science and Engineering)

Options	Subjects	Ideal For	Select
Option 1	English, Physics, Chemistry, Mathematics, Biology	Students pursuing careers in medicine, biology-based research, or biotechnology.	☐
Option 2	English, Physics, Chemistry, Mathematics, Informatics Practices	Students interested in careers in computer science, data science, or engineering.	☐
Option 3	English, Physics, Chemistry, Biology, Informatics Practices	Ideal for careers in medical informatics, bioinformatics, or biological sciences research.	☐
Option 4	English, Physics, Chemistry, Biology, Physical Education	Suitable for careers in sports science, physiotherapy, or medicine.	☐

B. Commerce Stream (For Students Interested in Business, Finance, and Management)

Option 1	English, Accountancy, Business Studies, Economics, Informatics Practices	Students interested in business management, finance, or digital business.	☐
Option 2	English, Accountancy, Business Studies, Economics, Physical Education	Students wishing to focus on business and physical education, useful for careers in sports management or fitness industries.	☐
Option 3	English, Accountancy, Business Studies, Economics, Mathematics	Ideal for careers in economics, finance, actuarial science, or business analytics.	☐

6th Optional Skill Subject: Artificial Intelligence (AI)

Artificial Intelligence is offered as an optional skill subject and is designed to provide foundational knowledge in AI technologies.

Subject	Description
Artificial Intelligence (AI)	Students will gain knowledge in machine learning, data science, Python programming, and AI ethics. It is highly relevant for careers in technology, data science, software development, robotics, and AI-driven applications.

Subject-Career Related Information

Below is an overview of how each subject relates to specific career paths:

Subject	Career Relevance
Mathematics	Essential for careers in engineering, data science, economics, and computer science.
Physics	Required for careers in engineering, medical sciences, and scientific research.
Chemistry	Crucial for careers in medicine, pharmaceuticals, and chemical engineering.
Biology	Essential for careers in medicine, pharmacy, biotechnology, and genetics.
Accountancy	Key for careers in finance, business management, accounting, and auditing.
Physical Education	Ideal for careers in sports, physiotherapy, fitness training, athletic coaching, and sports management.

Conclusion The subject combinations offered at **The New Indian School, Umm Al Quwain** are designed to provide students with the flexibility to pursue their career interests. Whether students are inclined towards science, technology, business, or sports, the diverse options ensure that every student has the opportunity to tailor their academic journey to their future aspirations.