



International School Dhaka

Secondary School

A fully accredited International Baccalaureate world School

Parent Syllabus Outline

Grade 9

Semester I

2009-2010

Tutors:

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Subject: Technology

Technology at ISD

Technology has inquiry and problem solving as the main focus. This includes using the technology design cycle as a tool to investigate, design, plan, create and evaluate products/solutions. MYP technology is structured into three main branches: information, materials and systems. Over the 5-year course students will design and create a range of outcomes with a balance of these three. In Grade 9 students will complete each unit below on a rotation throughout the year.

Materials

Mr Matthew Aris

Guiding question: How do we design to suit our needs?

The students will design and make a piece of furniture or design and make a lap-top cover. The items will be made to fit a client's specification. The furniture will be quarter size and the lap-top cover real size. As well as adhering to the design cycle, they must apply ergonomic principles and base that on anthropometrical data collected by them. Technology affects our world and everything that we do. Our standard of living and the quality of our lives are influenced too. Here at ISD the course will be a creative and purposeful activity arising from problem recognition. The students are expected to take responsibility for their work and demonstrate their growing maturity by working independently.

Systems

Mr. Christopher Scoggins

In their systems unit "Make Learning Fun", Grade 9s will learn a number of programming concepts and use these new skills to make software relevant to the needs of the business community.

Eventually students will be able to create their own business oriented software to:

- learn the basics of web page design using HTML and Page Breeze
- use basic programming concepts using Logo
- investigate an example of business software given the needs of the local business community.
- design possible solutions and select one design
- construct a plan to create the selected design
- create a business model
- test and evaluate the final business model

Information

Mr. Michael Gau

How can information technology are used to persuade young people to consider the environmental costs of their new electronic gadgets.

Area of interaction: Environment

During this unit the students will be required to research an appropriate instance of "e-waste" and create an interactive Flash of HTML presentation that raises awareness of this issue for their peers

The tools that they will use during this unit are the Internet, Macromedia "Flash" and Photoshop for preparation of materials for inclusion in the presentation. Students will need to take into account principles of good web page design and also create their own music for their website.

The procedure for this work will be dictated by the phases of the design cycle: investigate, design, plan, create and evaluate.

Subject: Visual Arts

Ms.Sharron Gray

"Political Power & Passion" research and make a poster on a political theme
"Wear's the Art" introduction to metal wire and produce wire brooch and pendant

Subject: Music

Mr. Eivind Lodemel

This year's year 9 group is full of talent! The size and ability of the group provides a great deal of opportunity for a successful year. We intend to move at a high pace, ensuring that students are challenged and given sufficient space to develop as musicians and composers, and we will devote regular lessons to the basic skills of writing, reading and analysing music.

Some of the topics we will study are improvisation, programme music, film music and variation form. Each topic will have elements of composition, performance and analysis. I would also encourage all year 9 students to take part in extracurricular music activities at ISD, as this will have a great impact on their learning. We are currently putting together a programme, but there will also be room for student-led activities. Looking forward to an exciting and challenging year!

Subject: Mathematics

Ms.Faba Abraham, Mr.Paul Husken

Mathematics in Grade 9 will continue to develop skills in the areas of: number, trigonometry, algebra, geometry, statistics, probability and discrete mathematics. Students will continue to learn to utilize the technology of Excel and graphing software to support their learning of mathematics.

Specific areas of math that we will be looking at this first semester include:

- Basic Algebra involving notation, equations expansion and factorization.
- Sets and Venn diagrams
- Indices and Radicals

Students will be applying and using the skills above throughout the curriculum. All G9 math students will be required to take a cumulative exam January covering all the content covered during the first semester.

Subject: Extended Mathematics

Ms.Alice Benson

Extended Mathematics will cover all the topics covered by the standard class; however they will deal with a deeper understanding of the topics and more complex problems. On top of which they will also be covering:

- Simultaneous Equations

Subject: French

Mr.Marc Favre, Ms.Lima Anjum

This semester students will work intensely across three units: 'Friendship and feelings', 'Healthy choices' and 'Francophone singers and songs'. They will start the year with open discussions about their friends and feelings stressing the need to have friends and the importance of socialization. The final assessment items on the unit will be writing and reading comprehension tasks. During the second unit they will talk about healthy life styles and discuss what role sports play in creating a balanced person. The final assessments on the unit will be speaking and writing tasks. They will end the semester on a lighter note researching on Francophone singers and singing a few famous songs. The two sets of assessment on the unit are reading and speaking.

Students are encouraged to do extra work in French beyond the classroom context by reading in French, watching TV 5 and keeping themselves informed about the different and interesting activities organized by the Alliance Française of Dhaka.

Foundation students will follow the same class but will have extra help from the teacher(s). The assessment tasks will be adapted to their level and they will be assessed against the foundation criteria.

Subject: Bangla A

তাহসিনা রহমান, ফারজাহান এহসান

এ পর্বের শুরুতে শিক্ষার্থীরা বাংলা রচনা লিখনের বিভিন্ন ধরন ও কৌশলের সাথে পরিচিত হবে। অনুচ্ছেদ লেখার নির্দিষ্ট পদ্ধতি অনুসরণ করে তারা বিভিন্ন বিষয়ে অনুচ্ছেদ লেখার অনুশীলন করবে। এরপর বাংলাদেশ টেক্সটবুক বোর্ডের নির্ধারিত বই থেকে তারা কয়েকটি রচনা ও কবিতা পড়বে। সেগুলো হলো:

- গল্প: রসগোল্লা: মাধ্যমিক বাংলা সংকলন (গদ্য)
- প্রবন্ধ: পল্লীসাহিত্য: ড: মুহম্মদ শহীদুল্লাহ- মাধ্যমিক বাংলা সংকলন (গদ্য)
- নাটক: নীলদর্পণ: - মাধ্যমিক বাংলা সংকলন (গদ্য)
- গল্প: আমার ছেলেবেলা: রবীন্দ্রনাথ ঠাকুর - মাধ্যমিক বাংলা সংকলন (গদ্য)
- কবিতা: দুর্মর, বাংলার মুখ আমি দেখিয়াছি - মাধ্যমিক বাংলা সংকলন (পদ্য)

১ম সেমিস্টার শেষে ছাত্র-ছাত্রীরা বাংলায় একটি পরীক্ষায় অংশগ্রহণ করবে।

Subject: English A

Ms. Bidita Sadiq, Mr. Kevin Lane

English in Grade 9 involves the students looking at issues that concern themselves and society. It will incorporate several MYP Areas of Interaction. Students are expected to work independently and utilize the ICT tools at their disposal frequently and productively.

Topics to be covered this Term includes: A novel study of *Animal Farm* and Shakespeare's *Julius Caesar*, and an in-depth study of what constitutes a "Political Speech". Power and control are highlighted as common themes.

Besides set reading, students are expected to read books, and other material of their own selection daily. Students will be required to complete the bulk of their research and assignments at home and will need to set up and work to a strict time line in order to complete the requirements for this term.

Subject: English B

Ms. Nilanthi Das

English B aims to develop reading, writing and oral skills of students who are relatively new to the English Language. It is an MYP subject and is assessed based on the MYP assessment criteria for language B. Students who follow MYP language B also receive additional language support in the form of ESL.

Units will be based on both language and literary themes and each unit will include a variety of reading genres and a focus writing genre. Vocabulary and grammar will be based on the theme under study and oral communication will be an important part of every unit. Students will focus on 'Pollution and the Environment' in their first unit. In Unit 2 students will study an abridged version of a Shakespearean tragedy and develop their understanding of literary devices with a particular focus on character analysis. Unit 3 will be on literary analysis and persuasive writing.

Subject: Physical Education

Ms. Lorinda Wishart, Mr.Christopher Hesse

1. Dance
2. Swimming
3. Basketball
4. Gymnastics
5. Football Codes

Dance: During this unit students learn the basics to Salsa and Rock & Roll dancing. In small groups they are required to choreograph a two to three minute routine.

Swimming: The students will continue to refine their swimming strokes while building endurance. They also practice diving and being comfortable underwater for retrievals.

Basketball: In this unit, students look at offensive and defensive strategies and how team play can affect outcomes. In addition to theory, the students continue to improve their basic basketball skills.

Gymnastics: For gymnastics, students look at more advanced movements and how they can mesh basic with complex to create a smooth and fluid routine.

Football Codes: Students look at the word "football" through and international perspective and discover the various ways football is played around the world. Through practice and research students learn the specifics to a version of football.

Subject: Science

Ms. Wahida Mostafa, Ms. Heather.Farish, Ms. Faba Abraham

Grade 9 sciences this year is going to be taught by subject specialists within the science discipline.

During the semester each group will study a biology unit on cell biology, a chemistry unit on the matter and moles and a physics unit on forces.

All units will involve scientific writing, tests and investigations for their assessments. There will be an examination covering all 3 units at the end of the semester.

Subject: Humanities

Ms. Caitlin MacLachlan, Ms.Katie Pawlak

In Humanities we seek to understand and respect the world around us. In order to encourage this we study the history and geography of our planet, ourselves and their interconnection. While studying these concepts many skills will be developed. We will focus on research, data interpretation and presentation skills with a focus on the Approaches to Learning and Knowledge

The first unit of the year will be “**Population and Development**”. Students will explore the human-side of geography and focus on population, distribution and density; how and why they differ from one place to another. The students will also look at population pyramids and how they can help us predict the level of development of a country. Finally they will analyse how demographic indicators are used by to determine the Human Development Index (HDI) of a country and how the level of development affects the quality of life of the community.

The second unit will focus on “**Resource Exploitation**”. The unit will look at our dependence upon the planets natural resources, how we have exploited these resources and how we can conserve them for future generations. The students will understand the difference between renewable and non-renewable resources, as well as, alternative forms of energy.

