



Al-Rayan International School

Teaching and Learning in Year 12:

An overview

By Heads of Department & Coordinators
August 5, 2020

Group 1: English A:Language and Literature

This semester students will be covering two units as they explore the following literary texts:

- Things Fall Apart by Chinua Achebe & Oedipus by Sophocles
 - Students will be assigned weekly reading tasks through the soft copies of these texts.
(Exploring global issues and concepts)
 - Discussions of these texts will be held on zoom, with students weekly reflections posted on padlet.
 - Short quizzes on reading tasks through Kahoot.
 - Creative writing tasks to test students' understanding of characters, setting and plot, and develop their writing skills.

Group 1: English A:Language and Literature

- Students will also study non-literary texts and develop the skill of close reading and textual analysis.
- Zoom will be the primary tool for synchronous teaching and learning.
- Annotating non-literary texts on Google doc
- Learner Portfolio (mandatory on managebac)
- Group/Individual presentations through Google slide
- All tasks will be posted on Google classroom and Managebac
- Feedback will be provided on students' work in Google classroom.
- End of Unit Assessment (individual oral on zoom & Paper 1: Textual Analysis)

Group 2: Language Acquisition

The DP offers a comprehensive range of language courses in two groups. The Language Acquisition course is a group 2 subject. ARIS offers Arabic, French and Spanish in three levels; Higher Level, Standard Level and at Ab initio level. In the first semester of the 2020/2021 academic year students will be covering **two units**:

- Identity (Who am I, Health and wellbeing)
- Experiences (Leisure, Travel & Tourism, and Immigration)

- **Assessment:**

-Students will be assessed on the concepts treated through Exam.net and a variety of online tools. Two (2) major assessments will be done at the end of each unit. These assessments will focus on Reading and Comprehension skills, and Listening skills. However, weekly reading tasks of selected texts (Blog, Diary entry and friendly letters) studied and bi-weekly listening tasks will be assigned.

Group 2: Language Acquisition contd.

Online Tools

- Discussions of these selected texts will be done via Zoom, Padlet ...
- Short quizzes on reading and listening tasks will be administered through Kahoot, Edpuzzle...
- Live and recorded presentations will be done through Flip grid, Podcast ...

Students will be given e-textbooks such as French B Course Companion, Spanish B Course Companion

Students are expected to have dictionaries in their target language.

We encourage all students to be present in the online classes and participate actively in collaboration activities.

Group 3: Individual & Societies

1. Geography
2. Environmental systems and societies
3. Economics
4. History
5. Business Management (Pamoja)
6. Psychology (Pamoja)

Group 3: Humanities - GEOGRAPHY

Key Concepts: Scale, places, process, power, possibility and spatial interaction

Units to be covered

Changing population, Global climate—vulnerability and resilience, Global resource consumption and security, Fieldwork-Internal Assessment, HL ONLY- Power, places and networks

How teaching will occur-Teaching strategies

- **Exploration:** Research, Fieldwork, Discussions, Read articles, watch videos.
- **Engage learners:** access prior knowledge, ask questions and brainstorming, differentiation
- **Explanation:** Live synchronous and asynchronous lessons, feedback on zoom, manageBac and Google classroom
- **Elaboration:** Connect concepts, student created materials and resources, apply learning to new situations
- **Evaluation:** Formative and summative assessments, quizzes, video reflections

Tools and Resources

- Textbooks, Kognity, National Geographic, News articles and sites, Zoom/Google Meet, Padlet, ManageBac, Google Toolkit, Kahoot, Flipgrid, Exam.net

Group 3: Environmental Systems and Societies (ESS)

Key Concepts: sustainability, equilibrium, strategy, biodiversity and environmental value system.

Units to be covered

Foundations of environmental systems and societies, Ecosystems and ecology, Biodiversity and conservation, Water and aquatic food production systems and societies, Practical activities and Individual investigation

How teaching will occur-Teaching strategies

Exploration: Research, practical activities and individual investigation, discussions, Read articles, watch videos.

- **Engage learners:** access prior knowledge, ask questions and brainstorming, differentiation
- **Explanation:** Live synchronous and asynchronous lessons, feedback on zoom, manageBac and Google classroom
- **Elaboration:** Connect concepts, student created materials and resources, apply learning to new situations
- **Evaluation:** Formative and summative assessments, quizzes, video reflections

Tools and Resources

- Textbooks, Kognity, News articles and sites, Zoom/Google Meet, Padlet, ManageBac, Google Toolkit, Kahoot, Exam.net

Group 3: Economics

Students will grasp the following nine central concepts: • scarcity • choice • efficiency • equity • economic well-being • sustainability • change • interdependence • intervention.

Units to be covered in Semester 1

1. Introduction to Economics
2. Microeconomics

Types of Assessment

Formative assessments (Individual presentations or Group presentations/ Student lecture/leading/ research, homework etc.)

Summative Assessment at the end of every unit:

Paper 1: An extended written response paper (both SL/HL)

Paper 3: A policy paper HL extension material. Includes both quantitative and qualitative questions.

Tools and resources

Google classroom, Padlet, Zoom, Quizlet, Flipgrid, Kognity, Exam.net and Textbooks

Group 3: HISTORY

Key Concepts: Change, continuity, causation, consequence, significance and perspectives

Units to be covered

The move to global war

Causes and effects of 20th-century wars

The Cold War: Superpower tensions and rivalries (20th century)

Group 3: HISTORY

Teaching strategies

- **Exploration:** Research, practical activities and individual investigation, discussions, Read articles, watch videos.
- **Engaging learners:** access prior knowledge, ask questions and brainstorming, differentiation
- **Explanation:** Live synchronous and asynchronous lessons, feedback on zoom, manageBac and Google classroom
- **Elaboration:** Connect concepts, student created materials and resources, apply learning to new situations
- **Evaluation:** Formative and summative assessments, quizzes, video reflections

Tools and Resources

- Textbooks, Kognity, News articles and sites, Zoom/Google Meet, Padlet, ManageBac, Google Toolkit, Kahoot,

Group 4: Sciences

- Biology
- Chemistry
- Physics
- Computer Science

Biology

Units to be covered

Cell Biology :1.1 Introduction to Cells,1.2 Ultrastructure of Cells,1.3 Membrane Structure,1.4 Membrane Transport,1.5 The Origin of Cells, 1.6 Cell Division

Molecular Biology : 2.1 Molecules to Metabolism,2.2 Water,2.3 Carbohydrates and Lipids,2.4 Proteins,2.5 Enzymes,2.6 Structure of DNA and RNA, 2.7 DNA Replication, Transcription & Translation,2.8 Cell Respiration,2.9 Photosynthesis

How teaching will occur-teaching strategies

Zoom live interactions and Kognity reading Assignments

Pre- recorded video instructions/end of section formative tests

Google classroom toolkit interactions and at least 2 end of unit summative tests.

Virtual labs for mandatory Practical 1 and Practical 2

Tools and Resources to be used

Google toolkit , Zoom, Gizmos, Education Perfect, Kognity,Gale Interactive.



Chemistry

Units to be covered

Topic 11: Measurements and Data Processing (only half of the topic)

Topics 2 and 20: Atomic Structure

Topics 3 and 13: Periodicity

Topics 4 and 14: Bonding and Structure

How lessons will be conducted

Materials including notes, presentations and relevant videos will be shared via Managebac and Google Classroom;

Zoom will be used for live teaching;

Reading tasks when assigned will require students to use kognity, given notes or texts or they access information from any relevant source



Chemistry

Assessments

Formative assessments

End of unit summative task (one for SL and two for HL)

Tools

Zoom, Managebac, Google Classroom, Kognity, Virtual labs, Exam.net, EducationPerfect



Physics

Units to be covered

Unit 1: Measurement in Physics

Unit 2: Mechanics

Unit 3: Thermal Physics

Forms of assessment and frequency

Trial question: After each lesson

Homework: Once a week

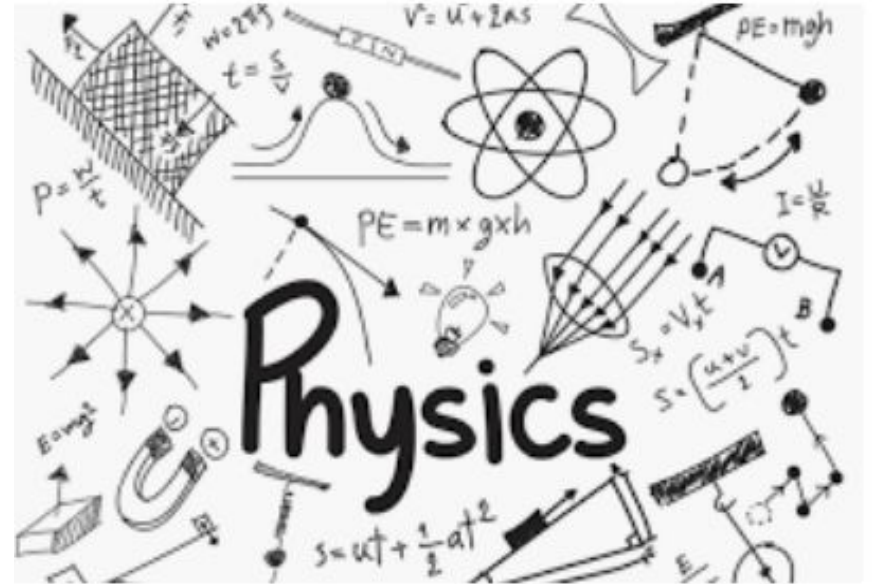
Classwork : Once a week

Summative tests: Two for each unit

Lab reports for laboratory investigations

Tools and Resources to be used

Google Classroom, Zoom, inthinking, Education Perfect, Kognity, PHet Simulations and textbooks.



Computer Science

Unit for the Semester

Topic 2: Computer Organization

Topic 1: Systems in Organizations



How teaching will be done

Synchronous using zoom, G-Suite, Google Classroom, Managebac, exam.net, w3schools

Asynchronous: G-Suite, recorded lessons, digital materials (Flip), Managebac

Forms of assessment

Trial questions

Homework: at least once a week

Classwork : at least once a week

Summative tests for completed topics



Tools and Resources to be used

Zoom, G-Suite, w3schools, Education Perfect, and textbooks.

Group 5: Mathematics (Analysis & Approaches)/(Applications & Interpretation)

Units to be covered.

- Unit 1: Number and Algebra
- Unit 2: Geometry and Trigonometry

Types of Formative Assessments and Frequency:

- Homework : At least **once** per week
- Class Work: **Six** within the semester
- Class Test: **Four** Within the semester.

Tools and Resources to be used in teaching

Google toolkit , Zoom, Mathletics, Revision Village , Kognity and Textbooks.

Requirement: Each student is expected to purchase a Casio Fx- 9860GII.

Group 6: ARTS(VISUAL, PERFORMING, MUSIC)

*This semester in the **visual arts** class, students will be covering two units.*

- **Introduction of some selected Art movements.**

- *Students will explore various art movements and showcase how these movements can influence their art-making practice thus exploring global influences, concepts and culture.
- *Students will manipulate and explore a variety of mediums that satisfy their curiosity.
- *Students together with their facilitator will discuss their thematic focus using zoom.
- *Students will start creating artworks that focuses on their theme.
- *At the end of the semester,students will showcase their works privately among their colleagues and facilitator and together will critique each others artwork to get the best out of one another on both zoom and google classroom.

Group 6: Arts

- **Introduction of conceptual Art and the impact it has had on the art world**

- * There will be class discussions on some selected conceptual artists like Andy Warhol, Marcel Duchamp and Damien Hirst on zoom
- * Using the artist discussed in class, students will take inspirations from them and any other they discover on their own to produce artworks as part of their process portfolio.
- * Students will be encouraged to research on videos of artist across the globe to guide them in the artworld.using youtube.

Q & A SESSION

Thank You!



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