



THE INTERNATIONAL SCHOOL IN GENOA
SINCE 1966

Chemistry SL 2021/2022

Welcome to *12th grade SL Chemistry IBDP*. In this welcome letter, you will find all the information you will need for this course.

Teachers: Giovanna Lavagnini

How can I contact my teachers?

Emails: giovanna.lavagnini@isgenoa.it

Office: 312

What resources do I need?

Equipment Required: simple calculator, ruler and square notebook

Course Textbook: Pearson IBDP SL Chemistry (this will have been purchased last year)

Google classroom code: hnqvede

What will I be studying?

Students will continue learning about Chemistry concepts with the implementation of lab techniques. For example students will explore electrochemical cells, organic chemistry as well as spectrochemical analysis. IAs will also be central to Students' curriculum this year.

How will I be assessed?

Assessment: Students will be assessed inline with the ISG Assessment Policy. Students will be assessed by using both formative and summative assessments. Formative assessments will take place during every lesson and summative assessments at the end of a unit. This could be in the form of a presentation, poster, essay, traditional exam or other method of assessment. Students will be assessed using the IBDP assessment rubrics and receive feedback within 2 weeks of submitting the assessment. Assessments will be announced at least one week in advance.

Homework expectations: Students will receive 120 minutes of homework each week.

Homework will relate to the unit of study. Homework is an extremely important element of learning, so students should strive to complete homework on time and to a high standard.



THE INTERNATIONAL SCHOOL IN GENOA
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12th Grade DP Biology, 2021/22

Welcome to Grade 12 DP Biology. In this welcome letter, you will find all the information you will need for this course.

Teachers: Mr Kubenk

How can I contact my teachers?

Emails: david.kubenk@isgenoa.it

Office: 312

What resources do I need?

Equipment Required: Notebook, charged computer, writing materials, calculator

Course Textbook: Pearson Baccalaureate Biology (SL and HL are different versions)

Google classroom code: x2peejk

What will I be studying?

12th grade is where the split into HL and SL occurs. We will finish the final unit of the SL course in September and then the HL units will begin. These are: nucleic acids, genetics and evolution, respiration and photosynthesis, plant science and animal physiology. In addition, students will need to complete their internal assessment (IA) this year as well and we will begin working on these as soon as possible. Standard level students should remember that they will be given a lot of practice work to complete as we prepare for May's exam period.

How will I be assessed?

Assessment: Students will be assessed formatively using both online assessment tools (kognity) as well as summatively using end of unit in class tests. For longer units there will be . There will be January exams which will also help prepare students for May. Assessments will be announced at least one week in advance.

Homework expectations: Students will receive 120-150 minutes of homework each week. Homework will relate to the unit of study. Homework is an extremely important element of learning, so students should strive to complete homework on time and to a high standard.



THE INTERNATIONAL SCHOOL IN GENOA
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Italiano B - 2021-22

Welcome to **12th Italiano B** In this welcome letter, you will find all the information you will need for this course.

Teachers: F.Gabinio

How can I contact my teachers?

Emails: fulvia.gabinio@isgenoa.it

Office: 311

What resources do I need?

Equipment Required:

Course Textbook: Testi letterari: solo per H.L.

A.Baricco, *Novecento* (già svolto)

A. Tabucchi, *Sostiene Pereira*

Google classroom code: **7ilfoid**

What will I be studying?

Il programma del biennio IB (11th - 12th) si sviluppa sull'orientamento dei 5 temi di base, da trattare ed approfondire nella scelta di diversi aspetti ed argomenti:

Topics

1. Esperienze
2. Condivisione del Pianeta
3. Identità;
4. Ingegneria umana;
5. Organizzazione sociale.

(Continuazione e completamento del programma già intrapreso lo scorso anno in 11th)

How will I be assessed?

Assessment: Students will be assessed inline with the ISG Assessment Policy. Students will be assessed by using both formative and summative assessments. Formative assessments will take place during every lesson and summative assessments at the end of a unit. This could be in the form of a presentation, poster, essay, traditional exam or other method of assessment. Students will be assessed using the IB /DP assessment rubrics and receive feedback within 2 weeks of submitting the assessment. Assessments will be announced at least one week in advance.

Respect, Responsibility, Reaching for Excellence





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Homework expectations: Students will receive 60 minutes of homework each week. Homework will relate to the unit of study. Homework is an extremely important element of learning, so students should strive to complete homework on time and to a high standard.

Respect, Responsibility, Reaching for Excellence





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Grade 12 Economics 2021-2022

Welcome to Grade 12 *Economics*. In this welcome letter, you will find all the information you will need for this course.

Teachers: *Ying Zhou*

How can I contact my teachers?

Emails: *ying.zhou@isgenoa.it*

Office: 203

What resources do I need?

Equipment Required: *Pencil, pen, ruler, sharpener, eraser, notebook, calculator, fully charged laptop*

Course Textbook: *IB Economics*

Google classroom code: <https://meet.google.com/lookup/dj5dabdqnu>

What will I be studying?

Units of study include: Global Economy, The theory of the firm (HL)

How will I be assessed?

Assessment: Students will be assessed inline with the ISG Assessment Policy. Students will be assessed by using both formative and summative assessments. Formative assessments will take place during every lesson and summative assessments at the end of a unit. This could be in the form of a presentation, poster, essay, traditional exam or other method of assessment. Students will be assessed using the IB assessment rubrics and receive feedback within 2 weeks of submitting the assessment. Assessments will be announced at least one week in advance.

Homework expectations: Students will receive 60 minutes of homework each week. Homework will relate to the unit of study. Homework is an extremely important element of learning, so students should strive to complete homework on time and to a high standard.





THE INTERNATIONAL SCHOOL IN GENOA
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12th IB English B 2021-2022

Welcome to Grade 12th English B. In this welcome letter, you will find all the information you will need for this course.

Teacher: Marcella Martini

How can I contact my teacher?

Emails: marcella.martini@isgenoa.it

Office: room 204

What resources do I need?

Equipment Required: computer, binder with lined paper, general stationary

Course Textbook: Oxford IB English B Course Companion

Google classroom code:

<https://meet.google.com/hpxmznpunq?authuser=0&hs=179>

Specific expectations:

- Check Powerschool, Google Classroom and school email at least daily.
- Bring books and materials (for example, your computer must be available, functioning and charged).
- Keep paper materials orderly in a folder+notebook or in a display binder, organize class files in a dedicated computer folder, keep up with Google classroom.
- If there are problems with homework, contact me BEFORE the deadline.

What will I be studying?

In all IB Language B programs in the world the development of oral and written communicative skills emphasises receptive, active listening skills and personal, social, interdisciplinary and reflective engagement in the development of our multicultural identity. In language B the IB goal of making the world a better place through education is explicit at every stage. Topics studied last year will be re-looked at from different perspectives this year.

Topics (by semester)

- 1 Identity (lifestyles, mental health, healthy life),
- 2 Experiences (migration, holidays and travel, leisure activities),
- 3 Human Ingenuity (artistic expression, media and communication, entertainment),
- 4 Social Organization (community, social engagement, social relationships)
- 5 Sharing the Planet (environment, urban and rural environment, the sustainability challenge)

How will I be assessed?

Assessment: Students will be assessed inline with the ISG Assessment Policy. Students will be assessed by using both formative and summative assessments. Formative assessments will take place during every lesson and summative assessments at the end of a unit. This could be in the form of a presentation, poster, essay, traditional exam or other method of assessment. Students will be assessed using the IB DP assessment rubrics and receive feedback within 2 weeks of submitting the assessment. Assessments will be announced at least one week in advance.

Homework expectations: Students will receive 120 minutes of homework each week. Homework will relate to the unit of study. Homework is an extremely important element of learning, so students should strive to complete homework on time and to a high standard.

IB tasks: in addition to regular training for each component of the IB May exam tasks, students will complete their Internal Assessment (Individual Oral) before the end of the solar year.





THE INTERNATIONAL SCHOOL IN GENOA
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Grade 12th Spanish B HL

Bienvenido al **Grado 12 de Español B HL**. En esta carta de bienvenida, encontrará toda la información que necesitará para este curso.

Profesora: Sandra Nuzzolo

¿Cómo puedo contactar a mi profesora?

Emails: sandra.nuzzolo@isgenoa.com

¿Qué recursos necesito?

Material Requerido: en nuestras lecciones será necesario traer: un cuaderno, hojas de papel a líneas para exámenes (protocolo), una carpeta para archivar el material entregado en clases.

El ordenador será utilizado ocasionalmente para la realización de proyectos.

Libro de texto: “Mañana Coursebook” (libro IB nuevo modelo revisado).

Libros de Lectura: “Relato de un Náufrago” Gabriel Garcia Marquez, “Campos de Fresas”

Jordi Sierra Fabra

Google classroom code: ikyqvd

¿Qué vamos a estudiar?

En lo que se refiere a nuestras clases de español IB/HL continuaremos ampliandolos conocimientos gramaticales y léxicos enfocados a mejorar el conocimiento del castellano. Además, gran parte de las lecciones de este último curso serán dedicadas a la realización de ejercicios y pruebas que simulen el examen del IB, tanto del Paper 1 como del Paper 2 y de las pruebas orales.

¿Cómo será evaluado?

Evaluación: Los estudiantes serán evaluados en línea con la Política de Evaluación de ISG. Los estudiantes serán evaluados mediante evaluaciones formativas y sumativas. Las evaluaciones formativas se llevarán a cabo durante cada lección y las evaluaciones sumativas al final de una unidad. Esto podría ser en forma de presentación, póster, ensayo, examen tradicional u otro método de evaluación. Los estudiantes serán evaluados utilizando las rúbricas de evaluación del IB y recibirán comentarios dentro de las 2 semanas posteriores a la presentación de la evaluación. Las evaluaciones se anunciarán con al menos una semana de antelación.

Expectativas de tareas: Los estudiantes recibirán 60 minutos de tarea cada semana. La tarea tendrá relación con la unidad de estudio. La tarea es un elemento extremadamente importante del aprendizaje, por lo que los estudiantes deben esforzarse por completar la tarea a tiempo y con un alto nivel.

Welcome to Grade 12 Italian A. In this welcome letter, you will find all the information you will need for this course.

Teacher: Marcella Martini

How can I contact my teachers?

Emails: marcella.martini@isgenoa.it

Office: 204

What resources do I need?

Equipment Required: regular stationery, a working computer, the reading books that were handed out last year

Course Textbooks: all textbooks were handed out last year. Specifically, this year we will use:

Pirandello, Novelle per un anno

Sciascia, Il giorno della civetta

Levi, Il sistema periodico (HL)

Satrapa, Persepolis

Zitkala Sa, Leggende indiane (HL)

Google classroom code: <https://meet.google.com/lookup/an3mwk53e?authuser=0&hs=179>

What will I be studying?

We will work on completing the mastery of our range of text analysis skills by applying them to extended fiction (novels and short stories).

We will then bring to the finish the HL essay and practice our paper 1 skills- unknown text analysis (IB students are exempted from paper 2 this year)

How will I be assessed?

Assessment: Students will be assessed inline with the ISG Assessment Policy. Students will be assessed by using both formative and summative assessments. Formative assessments will take place during every lesson and summative assessments at the end of a unit. This could be in the form of a presentation, poster, essay, traditional exam or other method of assessment. Students will be assessed using the IB DP assessment rubrics and receive feedback within 2 weeks of submitting the assessment. Assessments will be announced at least one week in advance.

Homework expectations: Students will receive about 180 minutes of homework each week. Homework will relate to the unit of study. Homework is an extremely important element of learning, so students should strive to complete homework on time and to a high standard.

General expectations: Students are expected to check their school email and google classroom at least once a day, to attend classes regularly and to be on time for them.



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Grade 12 Maths; Applications and Interpretations SL 2021-2022

Welcome to Grade 12 Maths. In this welcome letter, you will find all the information you will need for this course.

Teachers: Jacob Padilla

How can I contact my teachers?

Emails: jacob.padilla@isgenoa.it

Office: 312

What resources do I need?

Equipment Required: *Pencil, pen, ruler, sharpener, eraser, notebook, scientific + graphing calculator, protractor, pair of compasses, fully charged laptop*

Course Textbook: *Pearson Mathematics Applications and Interpretation (SL)*

Google classroom code: yttw42u

What will I be studying?

Topics: Statistical Distributions and Tests; Voronoi Diagrams; Modeling and Application to Amortization; Probability; Direct/Inverse Variation, Sinusoidal Models; Geometry; Calculus

How will I be assessed?

Assessment: Students will be assessed inline with the ISG Assessment Policy. Students will be assessed by using both formative and summative assessments. Formative assessments will take place during every lesson and summative assessments at the end of a unit. This could be in the form of a presentation, poster, essay, traditional exam or other method of assessment. Students will be assessed using the IB DP assessment rubrics and receive feedback within 2 weeks of submitting the assessment. Assessments will be announced at least one week in advance.

Homework expectations: Students will receive 120 minutes of homework each week. Homework will relate to the unit of study. Homework is an extremely important element of learning, so students should strive to complete homework on time and to a high standard.





Grade 12 Math: Applications and Interpretation

Welcome to grade 12 math. In this welcome letter, you will find all the information you will need for this course.

Teachers: Derek Hamm

How can I contact my teachers?

Emails: derek.hamm@isgenoa.it

Office: Room 312

What resources do I need?

Equipment Required: *Pencil, pen, ruler, sharpener, eraser, notebook, scientific + graphing calculator, protractor, pair of compasses, fully charged laptop*

Course Textbook: Pearson: Mathematics Applications and Interpretation for the IB Diploma - Higher Level

Google classroom code: *w06uns6*

What will I be studying?

intro to differential calculus	limits, derivative, powers, chain/product/quotient rules, trig and exp
further differential calculus	turning and inflexion points, tangents/normals, optimisation, related rates
probability of events	concepts, sample space, conditional probability
probability distributions 1	random variables, binomial, poisson distribution
descriptive statistics	data, graphs, measures of location and spread (half-term)
integral calculus	antiderivative, areas, volumes, kinematics
probability distributions 2	normal distribution, transformation of data
bivariate analysis	scatter plots, correlation, regression (winter break)
inferential statistics	inference, estimators, distribution of means, confidence intervals
statistical tests	hypothesis testing, t-test, chi squared test, type I and type II errors
graph theory	graphs, paths, trees, algorithms
integral calculus 2	differential equations, numerical solution, coupled differential equations
review for exam	chapters 1-20



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How will I be assessed?

Assessment: Students will be assessed inline with the ISG Assessment Policy. Students will be assessed by using both formative and summative assessments. Formative assessments will take place during every lesson and summative assessments at the end of a unit. This could be in the form of a presentation, poster, essay, traditional exam or other method of assessment. Students will be assessed using the IB DP assessment rubrics and receive feedback within 2 weeks of submitting the assessment. Assessments will be announced at least one week in advance.

Homework expectations: Students will receive 60 minutes of homework each week. Homework will relate to the unit of study. Homework is an extremely important element of learning, so students should strive to complete homework on time and to a high standard.





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12 Theory of Knowledge 2021-2022

Welcome to Grade 12 Theory of Knowledge. In this welcome letter, you will find all the information you will need for this course.

Teacher: Marcella Martini

How can I contact my teachers?

Email: Marcella Martini

Office: 204

What resources do I need?

Equipment Required: a working computer, general stationery

Course Textbook: TOK Kognity

Google classroom code: <https://meet.google.com/lookup/an3mwlk53e?authuser=0&hs=179>

What will I be studying?

The knowledge and skills developed last year on the relationship between Knowledge and the Knower, Knowledge and Language, Knowledge and Technology and on the Areas of Knowledge, will be applied in the development of a final IB essay on one of the mandatory prompts (see below).

How will I be assessed?

Assessment: Students will be assessed inline with the ISG Assessment Policy. Students will be assessed by using both formative and summative assessments. Formative assessments will take place during every lesson and summative assessments at the end of a unit. This could be in the form of a presentation, poster, essay, traditional exam or other method of assessment. Students will be assessed using the IB DP assessment rubrics and receive feedback within 2 weeks of submitting the assessment. Assessments will be announced at least one week in advance. The assessment will be mainly based on the writing process of the final essay.

Homework expectations: If students use their class time wisely, they will not need to do any additional homework. The time will be sufficient for them to write their final essay. One way or the other, students should strive to keep up with the writing pace set by the teacher to complete their final essay.





THE INTERNATIONAL SCHOOL IN GENOA
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12th grade Math AA 2021-2022

Welcome to *12th grade Mathematics Analysis and Approaches*. In this welcome letter, you will find all the information you will need for this course.

Teacher: Matteo Merlo

How can I contact my teacher?

Email: matteo.merlo@isgenoa.it

Office: 312

What resources do I need?

Equipment Required: *Pencil, pen, ruler, sharpener, eraser, notebook, graphing calculator TI NSPIRE CX, laptop.*

Course Textbook: *Wazir I. et al., Mathematics Analysis and Approaches for the IB Diploma Higher Level, Pearson*

Google classroom code: jfwhfyz

What will I be studying?

This course recognizes the need for analytical expertise in a world where innovation is increasingly dependent on a deep understanding of mathematics. This course includes topics that are both traditionally part of a pre-university mathematics course (for example, functions, trigonometry, calculus) as well as topics that are amenable to investigation, conjecture and proof, for instance the study of sequences and series at both SL and HL, and proof by induction at HL. Topics covered will be Calculus, Statistics and Probability, and parts of Numbers and Algebra and Geometry and Trigonometry.

How will I be assessed?

Assessment: Students will be assessed in line with the ISG Assessment Policy. Students will be assessed by using both formative and summative assessments. Formative assessments will take place during every lesson and summative assessments at the end of a unit. This could be in the form of a presentation, poster, essay, traditional exam or other method of assessment. Students will be assessed using the IB DP assessment rubrics and receive feedback within 2 weeks of submitting the assessment. Assessments will be announced at least one week in advance.

Homework expectations: Students at HL will receive 180 minutes of homework each week. Homework will relate to the unit of study. Homework is an extremely important element of learning, so students should strive to complete homework on time and to a high standard.



THE INTERNATIONAL SCHOOL IN GENOA
SINCE 1966

12th grade Physics 2021-2022

Welcome to *12th grade Physics*. In this welcome letter, you will find all the information you will need for this course.

Teacher: Matteo Merlo

How can I contact my teacher?

Email: matteo.merlo@isgenoa.it

Office: 312

What resources do I need?

Equipment Required: *Pencil, pen, ruler, sharpener, eraser, notebook, graphing calculator TI NSPIRE CX, laptop.*

Course Textbook: *Tsokos A., Physics for the IB Diploma 6th ed., Cambridge University Press*

Google classroom code: juvdnim

What will I be studying?

Physics is the most fundamental of the experimental sciences, as it seeks to explain the universe itself from the very smallest particles to the vast distances between galaxies. Both theory and experiments will be undertaken by all students. They should complement one another naturally, as they do in the wider scientific community. Topics covered will be Atomic and Nuclear Physics, Energy production, Wave phenomena (HL), Fields (HL), Electromagnetic induction (HL), Quantum and Nuclear Physics (HL), and the Astrophysics Option.

How will I be assessed?

Assessment: Students will be assessed in line with the ISG Assessment Policy. Students will be assessed by using both formative and summative assessments. Formative assessments will take place during every lesson and summative assessments at the end of a unit. This could be in the form of a presentation, poster, essay, traditional exam or other method of assessment. Students will be assessed using the IB DP assessment rubrics and receive feedback within 2 weeks of submitting the assessment. Assessments will be announced at least one week in advance.

Homework expectations: Students at HL will receive *180* minutes of homework each week. Homework will relate to the unit of study. Homework is an extremely important element of learning, so students should strive to complete homework on time and to a high standard.



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Grade 12th Spanish ab Initio

Welcome to **Grade 12th Spanish ab Initio**. In this welcome letter, you will find all the information you will need for this course.

Teachers: Sandra Nuzzolo

How can I contact my teachers?

Emails: sandra.nuzzolo@isgenoa.it

Office:

What resources do I need?

Equipment Required: in our lessons it will be necessary to bring: a notebook, sheets of paper, the computer will be used occasionally to carry out projects. Sheets of lined paper for exams (protocol), a folder for filing the material delivered in class.

Course Textbook: “Spanish ab Initio”, J. Rafael Angel

Reading book: “En busca de Bobby”, Juan de Nirón Montes

Google classroom code: 3me3wny

What will I be studying?

Regarding our ab initio Spanish classes, the course is organized around three thematic areas: the individual and society, work and leisure, and the urban and rural environment. Each area includes a list of topics that give students the opportunity to practice and explore the language while developing intercultural understanding.

Through the development of receptive, productive and interactive skills, students acquire the ability to respond and interact appropriately in a number of situations in everyday life.

A large part of the lessons in this last year will be devoted to the completion of exercises and tests that simulate the IB exam, both from Paper 1 and Paper 2 and the oral tests.

How will I be assessed?

Assessment: Students will be assessed inline with the ISG Assessment Policy. Students will be assessed by using both formative and summative assessments. Formative assessments will take place during every lesson and summative assessments at the end of a unit. This could be in the form of a presentation, poster, essay, traditional exam or other method of assessment. Students will be assessed using the IB assessment rubrics and receive feedback within 2 weeks of submitting the assessment. Assessments will be announced at least one week in advance.

Homework expectations: Students will receive 60 minutes of homework each week.

Homework will relate to the unit of study. Homework is an extremely important element of learning, so students should strive to complete homework on time and to a high standard.

