



ISE Course Outline

Subject: English

Grade: 10

Essential Skills

- 1. Critically read and comprehend a variety of texts**
- 2. Write different types of texts for a variety of audiences**
- 3. Work collaboratively to analyze a range of texts**
- 4. Articulate thoughts and ideas through public speaking**

Units

- | | |
|-------------------------------|--|
| 1. Non fiction writing | 6. The Harlem Renaissance |
| 2. Autobiography | 7. The short story |
| 3. Dystopian text | 8. Tragedy and the tragic hero-
Greek drama |
| 4. The graphic novel | |
| 5. Poetry | |

Assessments

- 1. Group Oral Presentations**
- 2. The Five Paragraph Essay**
- 3. Creative Writing- Inner Monologues**
- 4. Creative Writing- Letters/Diary Entries**
- 5. Individual Oral Presentations**

Subject: Mathematics

Grade: 10

Essential Skills

- 1. Recognise routine problems, observe patterns, identify relationships and formulate relevant solutions**
- 2. Apply rules, process data and construct strategies to solve novel and contextual problems**
- 3. Make deductions, draw justifiable conclusions and evaluate these**
- 4. Show mathematical process in a logically sequential manner**
- 5. Show participation and effort with regards to coursework and study habits**

Units

- | | |
|---|--------------------------------------|
| 1. Algebra | 5. Statistics and Probability |
| 2. Functions and Equations | 6. Geometry |
| 3. Circular functions and Trigonometry | 7. Introduction to Calculus |
| 4. Vectors | 8. Discrete |

Assessments

- 1. Coursework exercises**
- 2. Past paper tests**
- 3. Investigations**
- 4. Spot quizzes**



Subject: Biology

Grade: 10

Essential Skills

- 1. Apply and use scientific facts and concepts**
- 2. Apply and use scientific methods and techniques with precision and safety**
- 3. Construct, analyze, and evaluate scientific methods and explanations**
- 4. Apply and use appropriate methods to present scientific information**
- 5. Demonstrate the personal skills of cooperation, perseverance, and responsibility appropriate for effective scientific investigation and problem solving**

Units

- 1. Cells**
- 2. DNA, genes, and chromosomes**
- 3. Genetics and Biotechnology**
- 4. Evolution**
- 5. Classification**
- 6. Ecology**

Assessments

- 1. Laboratory and data based investigations**
- 2. Written examinations**
- 3. Research papers**
- 4. Presentations**



Subject: Chemistry

Grade: 10

Essential Skills

- 1. Apply and use scientific facts and concepts**
- 2. Apply and use scientific methods and techniques with precision and safety**
- 3. Construct, analyze, and evaluate scientific methods and explanations**
- 4. Apply and use appropriate methods to present scientific information**
- 5. Demonstrate the personal skills of cooperation, perseverance, and responsibility appropriate for effective scientific investigation and problem solving**

Units

- | | |
|-------------------------------------|--|
| 1. The atom and bonding | 6. Redox |
| 2. Calculations in chemistry | 7. Energy in chemical reactions |
| 3. Metals | 8. Industrial processes |
| 4. The halogens | 9. Applied chemistry |
| 5. Acids and bases | |

Assessments

- 1. Laboratory investigations**
- 2. Written examinations**
- 3. Research papers**
- 4. Presentations**



Subject: Social Studies

Grade: 10

Essential Skills

- 1. Locate, read, and critically analyze information from a variety of sources**
- 2. Make and evaluate conclusions based on evidence**
- 3. Work collaboratively to clarify problems and generate solutions**
- 4. Articulate thoughts and ideas through public speaking**

Units

- | | |
|---|--------------------------------------|
| 1. What is Geography? | 6. Services |
| 2. Population & Migration | 7. Urban & Rural Patterns |
| 3. Language, Religion, & Ethnicity | 8. Resource Issues |
| 4. Political Geography | |
| 5. Agriculture & Industry | |

Assessments

- 1. Written examinations**
- 2. Research papers**
- 3. Presentations**
- 4. Projects**



Subject: French

Grade: 10

Essential Skills

- 1. Express feelings and emotions, exchange opinions**
- 2. Understand and interpret written & spoken texts on a variety of topics**
- 3. Share information and ideas to an audience (listeners or readers)**
- 4. Demonstrate an intercultural sensitivity through comparison**
- 5. Create links with other subjects through learning a foreign language**

Units

- | | |
|--|---|
| 1. Révision des compétences | 5. Diversité, politique et société |
| 2. Organiser son texte | 6. La communication |
| 3. La santé & la nourriture | 7. Controverse & débats |
| 4. La personnalité | 8. L'art et la culture |
| 5. France : géographie & histoire | 10. La mondialisation |

Assessments

- 1. Homework**
- 2. Interactive oral activities**
- 3. Vocabulary & grammar quizzes**
- 4. Written tasks**
- 5. Research task & oral presentation**

Subject: German

Grade: 10

Essential Skills

- 1. Express feelings and emotions, exchange opinions**
- 2. Understand and interpret written and spoken texts on a variety of topics**
- 3. Share information and ideas to an audience (listeners or readers)**
- 4. Demonstrate an understanding of the target culture**
- 5. Create links with other subjects through learning a foreign language**

Units

- | | |
|--------------------------------------|--------------------------------------|
| 1. Bei den Baumanns | 6. Gesund essen |
| 2. Bastis Plan | 7. Gute Besserung! |
| 3. Wo warst du in den Ferien? | 8. Lies mit mir! |
| 4. Final Assessment | 9. Revision, Final Assessment |
| 5. Gesund leben | |

Assessments

- 1. Homework**
- 2. Class work**
- 3. Quiz**
- 4. Role play**
- 5. Test/ Final Assessment**

Subject: Estonian

Grade: 10

Essential Skills

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| 1. Orthography and grammar skills |
| 2. Essay writing skills |
| 3. Commentary writing skills |
| 4. Oral skills and discussions |
| 5. Analyzing skills |
| 6. Express feelings and emotions, exchange opinions |

Units

- | | |
|--|---|
| 1. Periods of World Literature | 6. Prose |
| 2. Periods of Estonian Literature | 7. Drama |
| 3. Works of foreign authors | 8. Theatre and movies |
| 4. Works of Estonian authors | 9. Orthography and grammar |
| 5. Poetry | 10. Commentary and essay writing |

Assessments

- | |
|---|
| 1. Tests and examinations |
| 2. Literature analyzes |
| 3. Written creative work (essays, poems, commentaries etc) |
| 4. Oral discussions |
| 5. Homework/ individual work |



Subject: Wellness

Grade: 10

Essential Skills

- 1. Know and understand concepts, principles, strategies, and tactics related to physical activity and health**
- 2. Develop and apply competent motor skills and movement patterns needed to perform a variety of physical activities**
- 3. Demonstrate general care, consideration and respect to self and others**
- 4. Demonstrate self-motivation, organization and responsible behavior**

Units

Physical Education	Health Education
1. Invasion games (soccer, basketball, frisbee, floorball)	1. Health & fitness
2. Netgames (volleyball, badminton)	2. Exercise physiology
3. Track and field	3. Anatomy
4. Gymnastics	4. Energy systems
5. Electives	5. Evaluation and measurement of human performance

Assessments

- 1. Written examinations**
- 2. Sport-specific skill tests**
- 3. Participation in team/group**
- 4. Projects**
- 5. Presentations**



Subject: Music

Grade: 10 (1 semester)

Essential Skills

- 1. Researching**
- 2. Planning and Creating**
- 3. Performing and Presenting**
- 4. Reflecting and Evaluating**

Units

- 1. Elements of Music**
- 2. World Music (Latin-American or Japanese)**
- 3. Jazz music**
- 4. Music reflections (2)**

Assessments

- 1. Knowledge of the art forms studied in relation to social, cultural, historical and personal contexts**
- 2. Critical thinking to allow students to reflect on their own and others artistic development**
- 3. Skills to develop an idea, theme or personal interpretation expressing and communicating students' artistic intentions**
- 4. Engagement to show commitment to the development of students' potential**



Subject: Visual Art

Grade: 10

Essential Skills

- 1. Researching**
- 2. Planning and Creating**
- 3. Performing and Presenting**
- 4. Reflecting and Evaluating**

Units

- 1. Stories behind our flags**
- 2. Sculpture – whatever it means**
- 3. 20th century art**

Assessments

- 1. *Knowledge* of the art forms studied in relation to social, cultural, historical and personal contexts**
- 2. *Critical thinking* to allow students to reflect on their own and others artistic development**
- 3. *Skills* to develop an idea, theme or personal interpretation expressing and communicating students' artistic intentions**
- 4. *Engagement* to show commitment to the development of students' potential**

Subject: Technology Design

Grade: 10

Essential Skills

- 1. Investigation: Identify problems, develop a design brief and formulate a design specification**
- 2. Designing: Generate several feasible designs that meet the design specification and evaluate these against the design specification**
- 3. Planning: Construct a plan to create their chosen product/solution that has a series of logical steps, and that makes effective use of resources and time**
- 4. Creating: Create and develop a product/solution, including tools, materials and techniques suggested during the planning phase**
- 5. Evaluating: Evaluate performance at each stage of the design cycle and suggest ways in which performance could be improved**

Units

1. Digital Image (Advanced Level)	4. Web Design (Advanced Level)
2. Digital Video (Advanced Level)	5. Digital Photography (Advanced Level)
3. Graphic Design (Advanced Level)	6. Final Project

Assessments

- 1. Knowledge: Understand how digital content is created, modified and used**
- 2. Critical thinking: Analyze, compare and evaluate a product's functionality.**
- 3. Skills: Develop graphic and web design skills, by utilising the design cycle methodology**
- 4. Engagement: Show commitment and motivation during the design and development process.**



Subject: Handbell Ensemble Elective

Grades: 6 - 10

Essential Skills

- 1. Physical skills (eye-hand coordination, gross/fine motor skills)**
- 2. Mental skills (attention, memory, reading)**
- 3. Social skills (self esteem, cooperation, independence)**
- 4. Musical skills (rhythm, tonal, structure)**
- 5. Critical thinking skills (reflection, evaluation)**

Units

- 1. Basic Techniques**
- 2. Preparation for performances**

Assessments

- 1. *Knowledge* of the handbell music studied**
- 2. *Critical thinking* to allow students to reflect on their own and others artistic development**
- 3. *Skills* to communicate ensembles' artistic intentions**
- 4. *Engagement* to show commitment to the development of students' potential**

Subject: Drama and Theatre arts Elective

Grade: 6 - 10

Essential Skills

- | |
|-------------------------------------|
| 1. Researching |
| 2. Planning and Creating |
| 3. Performing and Presenting |
| 4. Reflecting and Evaluating |

Units

- | | |
|--|----------------------------------|
| 1. Stage and performance skills | 6. Improvisation |
| 2. Characterization | 7. Theatre and design |
| 3. Dramatic style | 8. Theatre and technology |
| 4. Drama in movement and sound | |
| 5. The process of playmaking | |

Assessments

- | |
|---|
| 1. <i>Knowledge</i> of the art forms studied in relation to social, cultural, historical and personal contexts |
| 2. <i>Critical thinking</i> to allow students to reflect on their own and others artistic development |
| 3. <i>Skills</i> to develop an idea, theme or personal interpretation expressing and communicating students' artistic intentions |
| 4. <i>Engagement</i> to show commitment to the development of students' potential |



Subject: Visual Art Elective

Grade: 6 - 10

Essential Skills

- 1. Planning and Creating**
- 2. Presenting**
- 3. Reflecting and Evaluating**

Units

- 1. Specific topics and techniques are discussed with students and are decided upon students' interests and choices.**

Assessments

- 1. *Skills* to develop an idea, theme or personal interpretation expressing and communicating students' artistic intentions**
- 2. *Engagement* to show commitment to the development of students' potential**