



ISE Course Outline

Subject: English

Grade: 9

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. The Art of Revolution | 6. Urban Existence in Art |
| 2. The Novel | 7. The Roaring 20s/The Jazz Age/The American Dream |
| 3. War Poetry | |
| 4. The Short Story | |
| 5. Resistance through Narrative | |

Assessments

- 1. Oral Group Presentations**
- 2. The Five Paragraph Essay**
- 3. Internal Monologues**
- 4. Creative Writing**
- 5. Individual Oral Presentations**



Subject: Mathematics

Grade: 9

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. Number	4. Geometry
2. Algebra	5. Statistics and Probability
3. Trigonometry	6. Discrete

Assessments

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

Subject: Physics

Grade: 9

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. Units and forces | 4. Forces and motion |
| 2. Energy and power | 5. Electricity |
| 3. Atoms | 6. Energy and the environment |

Assessments

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



Subject: Social Studies

Grade: 9

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. Revolution (Political, Industrial, Agricultural, Technical, Technological) | 6. Slavery |
| 2. Resistance | 7. The American Dream/The Jazz Age/ The Roaring 20's/The Great Depression |
| 3. Human\Workers' Rights | 8. Multilingualism |
| 4. First World War/Birth of Nations/National Identity | 9. Colonialism |
| 5. The Explorers (New World, Space) | 10. Decolonialization |

Assessments

- 1. Written Quiz**
- 2. Personal Research**
- 3. Oral Individual Presentation**
- 4. Group Presentation**
- 5. Essay**



Subject: French Beginners

Grade: 6 - 9

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**

Units

- | | |
|--|---|
| 1. Présentations & usages | 6. Cuisine & cuisine française |
| 2. Être & avoir | 7. Histoire & Francophonie |
| 3. Les relations & les sentiments | 8. Les verbes de modalités |
| 4. L'apparence & la description | 9. Parler au passé & au futur |
| 5. Les activités quotidiennes | 10. Loisirs, jeux & sports |

Assessments

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



Subject: French Advanced

Grade: 6 - 9

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**

Units

- | | |
|--|-------------------------------------|
| 1. Révision des compétences | 6. Loisirs, jeux & sport |
| 2. Les verbes de modalités | 7. La France au quotidien |
| 3. Les activités quotidiennes | 8. La bande-dessinée |
| 4. Le passé composé & l'imparfait | 9. J'écris une histoire |
| 5. Le conditionnel | 10. Les régions françaises |

Assessments

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

Subject: German Beginners

Grade: 6 - 9

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. Wer bist du? | 6. Klamotten kaufen |
| 2. Spiel und Spaß | 7. Pläne machen |
| 3. Komm mit nach Hause! | 8. Lies mit mir! |
| 4. Final Assessment | 9. Revision, Final Assessment |
| 5. Alles für die Schule | |

Assessments

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

Subject: German Advanced

Grade: 6 - 9

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 (for foreigners)

Grade: 6 - 9

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**

Units

- | | |
|--|--|
| 1. Introduce yourself | 6. Food, clothes and shopping |
| 2. Family | 7. Nature and weather |
| 3. Colours | 8. Home, rooms and furniture |
| 4. Numbers | 9. Body parts and health |
| 5. Time | 10. Estonica (symbols, culture etc) |
| 11. School and friends | 12. Street and town |
| 13. Countries and nationalities | 14. Free time, hobbies and activities |

PS! Units may be added according to the skills and levels of students

Assessments

- 1. Vocabulary and grammar exercises and quizzes**
- 2. Role play**
- 3. Written (creative) tasks**
- 4. Oral (speaking and listening) practice**
- 5. Tests/exams twice a year**
- 6. Homework**

Subject: Estonian (for native speakers)

Grade: 6 - 9

Essential Skills

- 5. Express feelings and emotions, exchange opinions**
- 6. Understand and interpret written and spoken texts on a variety of topics**
- 7. Share information and ideas to an audience (listeners or readers)**
- 8. Demonstrate an understanding of Estonian culture and literature**

Units

- | | |
|-------------------------------|--------------------------------------|
| 1. Grammar | 6. Folklore |
| 2. Orthography | 7. Culture and traditions |
| 3. Punctuation marks | 8. Express yourself |
| 4. Literature | 9. Communication |
| 5. Vocabulary building | 10. Actual and topical themes |

PS! Units may be added according to the skills and levels of students

Assessments

- 1. Creative writing (essays, stories, poems etc)**
- 2. Orthography and grammar exercises and quizzes**
- 3. Homework**
- 4. Role play**
- 5. Read and analyze Estonian literature**
- 6. Tests and exams (twice a year)**



Subject: Wellness

Grade: 9

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 in media
2. Netgames (volleyball, badminton)	2. Exercise physiology
3. Track and field	3. Energy systems
4. Gymnastics	4. Sexual education
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: 9 (1 semester)

Essential Skills

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

Units

- 1. Ensembles and Orchestras**
- 2. Voice**
- 3. World Music (Italian and/or French Music)**
- 4. Musical Theater**
- 5. 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: 9

Essential Skills

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

Units

- 1. Graphic arts: Stencil techniques**
- 2. Painting: Abstract Art**
- 3. Self-Expression: Illustration in large format**
- 4. Graphic Design: Elements of Design**

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: 9

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 (Intermediate Level)	4. Web Design (Intermediate Level)
2. Digital Video (Intermediate Level)	5. Digital Photography (Intermediate Level)
3. Graphic Design (Intermediate 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: Information Studies

Grade: 6 - 9

Essential Skills

1. **Thinking skills:** Acquisition of knowledge, Comprehension, *Application, Analysis, Synthesis, Evaluation, Dialectical thought, Metacognition*
2. **Research skills:** *Formulating questions, Planning, Collecting data, Recording data, Organizing data, Interpreting data, Presenting research findings*
3. **Communication skills:** *Listening, Speaking, Reading, Writing, Viewing, Presenting, Non-verbal communication*
4. **Social skills:** *Accepting responsibility, Respecting others, Group decision-making, Adopting a variety of group roles*
5. **Self-management skills:** Organization, Time-management, Safety, Codes of behavior, Informed choices

Units

1. **Research;** research cycle, research strategies, research tools in school and outside schools
2. **Searching information;** the Internet, search tips and tools, Google search
3. **Evaluating information;** Wikipedia, criteria for evaluating websites, bias
4. **Academic honesty;** plagiarism, citations, tips and tool for avoiding and detecting plagiarism, citing, citation builders
5. **Digital life;** digital citizenship, safety and security

Assessments

1. **Projects**
2. **Reflections**
3. **Written assignments**
4. **Tests**
5. **Research:** application of skills into other subjects



Subject: Robotics Elective

Grade: 6 - 9

Essential Skills

- 1. Design: Detect, build and modify Lego parts, motors and sensors to create robots.**
- 2. Programming: Use NXT-G, visual programming language, to control a mobile robot.**
- 3. Problem Solving: Produce solutions to overcome problems, encountered during the design and programming of tasks.**
- 4. Creativity: Generate unique and inventive ideas to modify the design and programming of the robot.**
- 5. Teamwork: Collaborate, communicate and contribute to the team during tasks and projects.**

Units

- 6. Ethics and Robotics**
- 7. Basic Construction and Programming**
- 8. Introduction to Gears**
- 9. Movement**
- 10. Sensing**
- 11. Measurements and Synchronization**
- 12. Precise Programming**
- 13. Mobile Controlling Robot via Bluetooth**

Assessments

- 6. Knowledge: Understanding the thinking process of a programmer and basic engineering concepts**
- 7. Critical thinking: Experimenting and choosing appropriate methods, through self reflection, to apply new ideas**
- 8. Skills: Developing and applying problem solving, creativity and teamwork through tasks, projects and challenges**
- 9. Engagement: Showing self motivation and commitment during the robotics programme experience**



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

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|-------------------------------------|
| 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**