

Language Arts Syllabus

Course Description

Textbook and Resources

Holt Reader Course 4 (Holt, Rinehart & Winston Publishers)

Selected Short Stories (Not Limited to)

Boys and Girls

The Key

Two Kinds

Novel:

Animal Farm by George Orwell

Drama:

Julius Caesar by William Shakespeare

Vocabulary:

A variety of contextual vocabulary extracted from Literary and informational texts

Grammar: Holt Handbook: Language Sentence Skills Practice: Grammar, Usage, Mechanics

Sentences Fourth Course

The Grade 10 language Arts course surveys World Literature from historical and theme-based perspectives, and also connects text to relevant, current issues. Students will analyze and synthesize fiction and non-fiction examining the author's use of literary devices and major social, political, and economic forces related to the works. In addition to reading and analyzing texts, the course emphasizes the development of writing, research, speaking, listening, viewing, grammar, and vocabulary skills.

The English curriculum aims at achieving competency in all areas of language. The skills that the students need to acquire are essentially reading, writing, speaking and listening skills but there are many elements necessary for competency in these three areas. They involve a variety of social and interpersonal skills as well as a basic academic ability as the purpose of language is communication and competency is a pre-requisite for achievement in all others areas of the curriculum.

To enable successful reading, students must not only understand grammar and the vocabulary but must also learn a variety of other skills. They will learn how to read for information, both skimming and scanning. They will learn techniques that will enable them to infer meanings of unknown words and develop the ability to foreshadow and infer from a text, in other words how to make intelligent guesses about what is going to happen and also about what the author may be suggesting in a subtext. Students will learn how to recognize styles of writing so they can distinguish between the formal and informal and between an instruction and a suggestion.

In writing, they will learn how to get a point across effectively as this skill will be essential in university regardless of the subject of further study. They will learn to understand grammar

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well enough to be able to write with variety, in a way that is interesting to the reader. The vocabulary they use will also add to the level of their written work. They will be able to write both formally and informally, using critical thinking to make their written work logical, as well as imagination to make storytelling and descriptive writing enjoyable to read. They will also learn to take short notes.

Listening skills are again an essential to university education. Students will learn to make notes from lectures and, then to replace the notes with a fuller version. Often instructions are spoken and students need to understand at first hearing. Much information that is vital to a well-rounded education is lost when a student struggles to understand the English he/she is hearing. Speaking skills power all areas of a student's life, not only educational but social, and speaking skills are important in most areas of work, for communication and explanation and commercial issues. All areas must be supported by accurate vocabulary and grammar and again require fine tuning so that students understand the context and meaning of the tone and register the speaker is using.

Grammar concepts covered: clauses, phrases, subject-verb agreement, pronoun-antecedent agreement, identifying independent and subordinate clauses, coordinating and subordinating conjunctions.

Materials Required

A Positive Attitude

A Willingness to Participate

Specified Text Books/Workbooks

Pens and pencils

Binders, Loose Leaf Paper and Dividers

Grading Breakdown

Quarter Exam 30%

Quizzes 25%

Homework and Assignments 15%

Classwork 20%

Participation 10%

Quarter 1

Literature:

Holt Selections:

Boys and Girls

Two Kinds

Grammar: Subject Verb Agreement

Comprehension: Selected comprehensions and informational Texts

Vocabulary: Carefully selected vocabulary from literature studied

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Writing: Persuasive

Speaking and listening: Literature Circle discussions

Quarter 2

Literature:

Novel: Animal Farm

Short Story: The Key

Grammar: Pronoun Antecedent Agreement, Modifiers

Vocabulary: Carefully selected vocabulary from literature studied

Writing: Persuasive

Speaking and Listening: Animal Farm Project

Quarter 3

Literature: Animal Farm, Julius Caesar

Grammar: Subject Verb Agreement, Pronoun Antecedent Agreement

Vocabulary: Carefully selected vocabulary from literature studied

Writing: Compare and Contrast

Speaking and Listening: Julius Caesar Project

Quarter 4

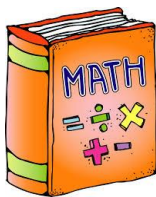
Literature: Julius Caesar

Grammar: Phrases and Clauses

Vocabulary: Carefully selected vocabulary from literature studied

Writing: Argumentative, Expository

Speaking and Listening: Final Presentation



Math Syllabus

Geometry & Algebra II

Textbook: Geometry (McDougal Littell Publishers)
Algebra II (Holt, Rinehart & Winston Publishers)

Course Description

This course is the first step for introducing higher math. It includes a study of co-ordinate geometry, an introduction to trigonometry as well as further studies in algebra, statistics and probabilities. The course includes more advanced aspects of algebra such as absolute value functions and variations. An introduction to matrices and data presentation is also a part of this course as well as the basics of finding probabilities. The first semester emphasizes reasoning methods necessary to the understanding of mathematics. The second semester emphasizes solving geometry problems by using algebra knowledge.

Syllabus

1st Semester: Geometry- Concepts and Skills (McDougal Littell Publishers)

1st Quarter:

- Basics of geometry
- Segments and angles
- Parallel and Perpendicular lines
- Triangle relationships (congruency – similarity)
- Quadrilaterals
- Polygons

2nd Quarter:

- Surface area
- Volumes
- Circles
- Introduction to right triangles and trigonometry

2nd Semester: Algebra II (Holt, Reinhart & Winston Publishers)

3rd Quarter:

- Data and linear representation
- Systems of linear equations and inequalities
- Quadratic functions
- Polynomials

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4th Quarter:

- Conic sections
- Trigonometric functions
- Further topics of trigonometry

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Science



Integrated science Syllabus

Biology

Textbook

Modern Biology (Holt, Rinehart & Winston Publishers)

Course Description

The grade 10 Biology course includes the study of the chemical basics of life, cell structure, organisms' physiology, genetics, evolution and ecology.

Syllabus

1st Quarter : Chapters 1-1, 1-2, 2-1, 3-1, 3-3, 19-1, 19-2, 21-1, 22-1

- The main themes of biology
- The composition of matter and molecules of life
- Ecology of organisms
- Populations and their growth
- Human evolution

2nd Quarter : Chapters 4-1, 4-2, 4-3, 5-1, 5-2, 6-1, 6-2, 7-1, 7-2, 8-1, 8-2, 8-3

- Structure and function of the cell
- Homeostasis and Transport
- Photosynthesis and Cellular respiration
- Cellular reproduction

3rd Quarter: Chapters: 29-1, 29-2, 30-1, 30-2, 30-3, 31-1, 32-1, 24-2, 24-3, 25-1, 25-3

- The importance of plants
- Plant evolution and classification
- Plant structure and function
- Plant reproduction and responses
- Bacteria and Viruses

4th Quarter: Chapters: Chapters 46-52, 29-1, 29-2, 12-1, 13-1

- The structure and function of eleven organ systems
- Fundamentals of genetics
- Inheritance and DNA technology



Social Studies Syllabus

World History

Course Description:

This course examines the great empires that developed modern civilizations, and the genesis and spread of great political ideas. The course begins with the lasting influence and change that conflict, culture and ethnicity bring. Students will appreciate the diversity in varying world cultures and understand that countries and ideas often reflect their historical roots and geographic location. The course emphasis is on thematic understanding of world history, ideas, culture, religion and its influence on the history of human progress.

Quarter 1

Chapter 13: European Middle Ages (Standards: 1, 2, 3, 4, 5, 6, 8)

Section 1- Charlemagne Unites Germanic Kingdoms (1, 2, 3, 5, 6)

Objectives:

- Identify effects of Germanic invasions.
- Explain new ideas about government,
- Trace the spread of Christianity among Germanic peoples
- Identify Charles Martel's successes.
- Describe Charlemagne's empire.

Section 2- Feudalism in Europe (1, 2, 3, 4, 5, 7)

- Describe the effects of new invasions on Western Europe.
- Explain the structure of feudalism and the role of the manor system.

Section 3- The Age of Chivalry (1, 8, 5, 4)

- Explain the technology, standards, and training of knights.
- Analyze how medieval literature depicts chivalry, knighthood, and women.
- Summarize the roles and states of medieval women.

Section 4- The Power of the Church (1, 2, 6)

- Describe the Church's structure, power, and influence.
- List even in the power struggle between popes and German emperors.
- Explain why Germany's feudal states did not unify during the Middle Ages.

Chapter 14: The Formation of Western Europe (1, 2, 3, 4, 7, 8, 6, 5)

Section 1- Church Reform and the Crusades (1, 2, 3, 5)

- Explain the spiritual revival and Church reforms that began in the 11th century.
- Describe the Gothic cathedrals of the 12th century.
- Summarize the causes of the Crusades and analyze the effects of the Crusades.

Section 2- Change in Medieval Society (1, 2, 3, 5)

- Describe the advances in agriculture.
- Explain the importance of guilds.
- Trace the growth of trade and finance and the development of medieval towns.
- Explain the new interest in learning.

Section 3- England and France Develop (1, 2, 6)

- Describe the various invaders who contributed to English culture.
- Explain how England's government took the first steps toward democracy.
- Describe the Capetian dynasty in France.

Section 4- The Hundred Years' War and the Plague (1, 2, 5, 6, 7)

- Identify the problems faced by the Church during the 1300s and early 1400s.
- Describe the bubonic plague and its effects on Europe.
- Explain the Hundred Years' War and its impact.

Quarter 2

Chapter 17: European Renaissance and Reformation (1, 3, 4, 5, 8)

Section 1- Birthplace of the Renaissance (1, 3, 4, 5)

- Explain the conditions in Italy that gave rise to the Renaissance.
- Identify the values and ideas prized during the Renaissance.
- Describe the artistic breakthroughs and achievements of Renaissance artists.
- Summarize influential literary works and techniques of key Renaissance writers.

Section 2- The Northern Renaissance (1, 2, 4, 5, 8)

- Explain the origins and characteristics of the Northern Renaissance.
- Trace the impact of the Renaissance on German and Flemish painters.
- Profile key Northern Renaissance writers.
- Describe the origins of the Elizabethan Age and Elizabethan drama.
- Explain how printing spread ideas.

Section 3- Luther leads the Reformation (1, 2, 4, 6)

- Analyze historical forces and religious issues that sparked the Reformation.
- Trace Martin Luther's role in the movement to reform the Catholic Church.
- Analyze the impact of Luther's religious revolt.
- Explain the spread of the Protestant faith to England.

Section 4- The Reformation Continues (1, 4, 5, 6)

- Explain Calvin's Protestant teachings.
- Describe the beliefs of other reformers and the roles of women in the Reformation.
- Trace reforms in the Catholic Church.
- Summarize the legacy of the Reformation.

Chapter 21: Absolute Monarchs in Europe (1, 6, 3, 4, 5, 2)

Section 1- Spain's Empire and European Absolutism (1, 4, 6)

- Describe Spanish power under Philip II.
- Identify major figures from the Golden Age of Spanish art and literature.
- Describe the birth of the Netherlands.
- Explain the origins of absolute monarchy.

Section 2- The Reign of Louis XIV (1, 2, 6)

- Describe conflicts in Europe.
- Analyze ideas of important French thinkers.
- Explain Louis XIV's policies and characterize the style of his court.
- Describe France's disastrous wars.

Section 3- Central European Monarchs Clash (1, 2, 3)

- Describe the Thirty Years' War.
- Explain the growth of central European states.
- Identify conflicts between Prussia and Austria.

Section 4- Absolute Rulers of Russia (1, 2, 4, 6)

- Explain how Russian rulers began to build a stronger Russian state.
- Characterize the differences between Russia and Western Europe.
- Describe Peter the Great's reforms and their impact on Russia.

Section 5- Parliament Limits the English Monarchy (1, 2, 6)

- Identify conflicts between English rulers and Parliament.
- Explain the causes and results of the English Civil War.
- Describe the Restoration and the Glorious Revolution.
- Explain changes under William and Mary.

Quarter 3**Chapter 22: Enlightenment and Revolution** (1, 3, 4, 8)**Section 1- The Scientific Revolution** (1, 8)

- List circumstances that led to this Scientific Revolution.
- Summarize the development of the heliocentric theory.
- Describe the scientific method and explain Newton's law of gravity.
- Describe the importance of the scientific method in different fields.

Section 2- The Enlightenment in Europe (1, 4, 6, 8)

- Explain the ideas of Hobbes and Locke and other Enlightenment philosophers.
- Describe women and the Enlightenment.
- Explain the legacy of the Enlightenment.

Section 3- The Enlightenment Spreads (1, 4, 6, 8)

- Explain how Enlightenment ideas spread throughout Europe.
- Describe changes in art, music, and literature during the Enlightenment.
- Show how Enlightenment ideas reformed monarchies in Prussia, Austria, and Russia.

Chapter 25: The Industrial Revolution (1, 8, 7, 3, 5, 6, 7)**Section 1- The Beginnings of Industrialization** (1, 5, 7, 8)

- Explain the beginnings of industrialization in Britain.
- Describe key inventions that furthered the Industrial Revolution.
- Identify transportation improvements.
- Trace the impact of railroads on British industry.

Section 2- Industrialization (1, 5, 7, 8)

- Describe the social and economic effects of industrialization.
- Examine growing tensions between the middle and working classes.
- Identify positive effects of the Industrial Revolution.
- Describe Manchester as an industrial city.

Section 3- Industrialization Spreads (1, 5, 7, 8)

- Describe industrialization in the United States and Europe.
- Identify the effects of industrialization on the rest of the world.

Section 4- Reforming the Industrial World (1, 5, 6, 7)

- Identify thinkers and ideas that supported industrialization.
- Explain the origins and main concepts of socialism and Marxism.
- Examine unionization and legislative reform.
- Describe other reform movements of the 1800s.

Quarter 4**Chapter 23: The French Revolution and Napoleon** (1, 2, 5, 6)**Section 1- The French Revolution Begins** (1, 2, 6)

- List the three estates of the Old Regime.
- Summarize the factors that led to the French Revolution.
- Describe the creation of the National Assembly and the storming of the Bastille.
- Explain the importance of the Great Fear and the women's march on Versailles.

Section 2- Revolution Brings Reform and Terror (1, 2, 6)

- Explain how the National Assembly changed France's government.
- Summarize the positions of the three factions that tried to govern France.
- Explain how war and the king's execution affected the Revolution.
- Describe the events and the aftermath of the Reign of Terror.

Section 3- Napoleon Forges an Empire (1, 2, 3, 6)

- Explain how Napoleon Bonaparte came to power.
- Summarize how Napoleon restored order in France.
- Describe the extent and weaknesses of Napoleon's empire.

Section 4- Napoleon's Empire Collapses (1, 2, 3, 6)

- Explain Napoleon's tactical and political mistakes.
- Summarize Napoleon's defeat, comeback, and final downfall.

Section 5- The Congress of Vienna (1, 2, 5, 6)

- List the results of the Congress of Vienna.
- Show how the ideas of the French Revolution continued to influence people.

Chapter 24: (Section 3 Only) (1, 2, 3, 5, 6)**Section 3- Nationalism** (1, 2, 5)

- Identify the links that create nation-states and explain how nationalism weakened empires.
- Summarize how Cavour unified Italy.
- Describe the unification of Germany and explain shifts in power.

Chapter 30- (Section 1 only) (1, 2, 6)**Section 1- Revolutions in Russia.** (1, 2, 5, 6)

- Describe the autocratic methods of Alexander III and the economic changes under Nicholas II.
- Explain the crises that paved the way for the March Revolution and the end of czarist rule.
- Summarize the Bolshevik Revolution and its outcome.

Explain Lenin's reforms and the rise of Stalin.

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- French -

French syllabus

List of Materials and Textbooks:

- 1- Pupils book : **À vrai dire.../A1-A2 -CIDEB**
- 2- Exercise book: **À vrai dire.../A1-A2-CIDEB**
- 3- Internet sites: For more grammar and vocabulary exercises.
 - <http://www.blackcat-cideb.com>
 - Didieraccord.com
 - About.com French
 - [Françaifacile](http://Francaifacile.com)

Curriculum: The student in grade 10 will learn 1 chapter per quarter and each chapter has 2 units.

First quarter: Chapter 1

Units 1 and 2: The student will learn to:

- Talk in both formal and informal ways.
- Know and ask about nationalities and jobs.
- Describe himself and others (physical and character).
- Talk about some activities in the free time.
- Describe his family.
- Express the ownership.
- Counting (revision)

Grammar:

- Definite and indefinite articles.
- Forming feminine and plural.
- Subject pronouns.

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- Possessive adjectives.
- Using different prepositions in front of names of cities or countries.
- The negative and the interrogative forms.
- Revision of ER verbs.

Second quarter: Chapter 2

Units 3 and 4: The student will learn to:

- Ask and give information.
- Ask and describe an itinerary.
- Talk about spending his day.
- Give orders and forbid things.
- Ask and say the time.
- Count up to 1000.

Grammar:

- Contracted articles.
- Partial articles.
- Negative form with NI.
- Interrogative adjective (**quel**).
- Numerical adjectives.
- Interrogative adverbs.
- Imperative form.
- Second and third group verbs in the present tense.

Third quarter: Chapter 3

Units 5 and 6: The student will learn to:

- Express feelings.
- Encourage others.
- Propose and suggest things.
- Accept and refuse suggestions.
- Describe places.
- Comparison.
- Talk about the future.

Grammar:

- Demonstrative adjectives.
- Irregular adjectives.

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- Colour adjectives.
- Object pronouns.
- The pronoun **EN**.
- The comparative form.
- Some prepositions.
- Near future tense.
- Some third group verbs.

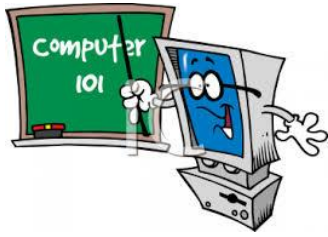
Fourth quarter: Chapter 4

Units 7 and 8: The student will learn to:

- Buy things.
- Book for train and buy tickets.
- Travel in train.
- Write post cards.
- Talk about the weather.
- Tell an event in the past.

Grammar:

- Subject pronoun **ON**.
- Indirect object pronouns.
- Adverbial and personal pronoun **Y**.
- Progressive present.
- Recent past.
- Composed past.
- Impersonal verbs.
- Some third group verbs.



Computer Syllabus

Course Description:

Students in this course will learn to create and edit digital images for printing, e-mailing, or posting on the Web by utilizing the features of Photoshop Elements. Students will learn how to use filters, selection techniques, layer management, layer styles, and painting effects to edit images and digital photographs that can later be placed in business and personal publications and web pages.

Syllabus:

Quarter 1:

The Basics:

- Using the Toolbox.
- Options bar.
- The menus.
- The palettes.

Photoshop Color:

- Pixels.
- RGB vs. CMYK color.
- Channels.
- Image modes.
- The blending modes.
- Color management.

Startup:

- Launch Photoshop.
- Where images come from.
- Scan into Photoshop.
- File storage sizes of scanned images.
- Using the status bar.
- Opening files.
- Saving files.

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- Navigating.
- Ending a work session.

Pixel Basics:

- Changing dimensions and resolution.
- Change an image's dimensions for print output.
- Changing the canvas.

Quarter 2:

Select:

- Creating selections.
- Working with selections.

Compositing:

- Moving.
- Copying.
- Sharpening and blurring.
- Using rulers and guides.
- Cloning.

Layers:

- Layers basics.
- Transform layers.
- Managing layers.
- Copy layers.
- Merge or flatten layers.

History:

- Using the History palette.
- Using snapshots.
- Restoring and erasing.

Adjustments:

- Adjustment layers.
- Adjustment commands.

Quarter 3:

Choose Colors:

- Choose a custom color.
- Swatches palette.
- Choose a color from the swatches palette.
- Delete a color from the swatches palette.
- Replace or append a swatches library.

Recolor:

- Adjustment basics.

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- Levels and curves.
- Apply auto color correction options.
- Spot color channels.

Paint:

- Brush tool.
- Brushes palette.
- Customizing brushes.
- Other painting tools.

Gradients:

- Apply a gradient as a fill layer.
- Create or edit a gradient preset.
- Change the opacity of gradient colors.
- Apply a gradient map to a layer.

More Layers:

- Layer opacity.
- Layer effects.
- Blending layers.
- Layer masks.
- Clipping groups.
- Linking layers.

Quarter 4:

Paths/Shapes:

- Creating paths.
- Working with paths.
- Stroke a path
- Fill a path
- Vector masks.
- Shapes

Type:

- Creating type.
- Editing text.
- Style type using the character palette.
- Paragraph settings.
- Special effects with type.
- Word processing.
- Find and replace text.
- Check spelling.

Filters:

- Filter basics.
- Using a filter dialog box.

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- All the filters illustrated.
- A few filter exercises.
- Pattern maker.
- Generate a pattern.
- Navigate through tiles.
- Delete a tile.
- Save a tile as a present pattern.

Print:

- Printing from Photoshop.
- Preparing files for other applications.
- Producing duotones.
- Color reproduction basics.

Web/Image Ready:

- The basics.
- Make flat-color areas web-safe.

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Art Syllabus

Quarter 1	Painting
Quarter 2	Collage with design
Quarter 3	Mix media
Quarter 4	Calligraphy