

To be the school of choice for those who seek to be future leaders

LEARNING OBJECTIVES

GRADE EIGHT

cognia™



مدارس قمم الحياة العالمية

Qimam El-Hayat International Schools

By the end of the year students are expected to:

Subject	Learning Objectives
<h3 style="color: red; margin: 0;">English Language</h3>	<ul style="list-style-type: none"> • understand and analyze forms of prose, conflict, and plot structure. • summarize a text. • understand and analyze suspense and foreshadowing. • make and evaluate predictions from a text. • understand and visualize setting. • describe mental images. • understand and analyze internal and external conflicts. • understand and visualize first point of view, omniscient point of view, subjective, and objective point of view. • summarize information by taking notes. • identify figurative language in free verse. • skim and scan texts. • identify, understand, and analyze myth and its elements. • understand and analyze metamorphosis. • analyze theme. • draw conclusions. • understand and analyze heroes and legends. • compare and contrast plot and setting. • compare and contrast themes. • understand and analyze character traits. • narrate an experience by using chronological order. • use the writing process to write a personal narrative. • identify an author's purpose of writing. • read an article to analyze advantage /disadvantage pattern and draw conclusions. • use the writing process to write an essay about advantages and disadvantages. • read an article for information using textbook features and summarizing skills. • use the writing process to write descriptive essay, persuasive essay, or cause-and-effect essay. • use reasons and evidence effectively. • distinguish between facts and opinion. • eliminate clichés from writing. • identify sentence and sentence fragments. • identify and use different types of sentences according to purpose and structure. • identify and use verbs, verb phrases, and compound predicates. • identify and use simple, complete, and compound subjects. • identify and use different types of nouns and pronouns. • identify adjectives and the words they modify. • classify and use different types of verbs (action and linking verbs / transitive and intransitive verbs). • identify adverbs and the words they modify. • identify direct and indirect objects. • identify predicate adjectives and predicate nominatives. • identify and use prepositional, adjective, adverb, participial, and verbal phrases. • identify independent and subordinate clauses in sentences. • identify adjective and adverb clauses in sentences. • identify and use coordinating and subordinating conjunctions. • identify nouns and pronouns by number (singular / plural). • identify and choose verb forms that agree in number with subjects. • identify and choose pronoun forms that agree in number and gender with antecedents. • identify and use regular / irregular verbs and active / passive verb forms. • use the tenses consistently. • identify and use nominative and objective cases of personal pronouns. • use context clues to figure out the meaning of new vocabulary words. • use sound clues to figure out the meaning of the new vocabulary words. • use word structure (prefixes, roots, suffixes) to figure out the meaning of the new words. • use dictionary definitions to figure out the meanings of the new vocabulary words. • identify synonyms and antonyms for new vocabulary words. • use the new words in meaningful sentences.

Subject	Learning Objectives
Math	<ul style="list-style-type: none"> • solve systems of linear equations. • graph and solve linear inequalities. • evaluate and simplify expressions containing exponents. • classify and simplify polynomials. • factor polynomials. • graph and solve quadratic equations. • prove and apply properties of perpendicular bisectors and angle bisectors and medians and altitudes of a triangle. • apply inequalities and the Pythagorean theorem and its converse in triangles. • find and use the measures of interior and exterior angles of polygons and triangles. • prove and apply properties of parallelogram and the special cases of parallelogram. • apply properties of similar polygons and triangles. • prove certain triangles are similar by using AA, SSS, and SAS and use it to find the measures of sides and angles • apply similarity properties in the coordinate plane. • identify and draw reflections, translations, rotations, dilations. • identify and describe symmetry in geometric figures. • solve problems involving perimeters and areas of triangles and special quadrilaterals. • develop and apply the formulas for the area and circumference of a circle. • find the perimeters and areas of figures in a coordinate plane.
Biology	<ul style="list-style-type: none"> • learn that a complex set of interactions within an ecosystem can keep its numbers and types of organisms relatively constant over long periods of time. • learn that group behavior has evolved because membership can increase the chances of survival for individuals and their genetic relatives. • learn that ecosystems have carrying capacities, which are limits to the numbers of organisms and populations they can support. • learn that plants or algae form the lowest level of the food web. At each link upward in a food web, only a small fraction of the matter consumed at the lower level is transferred upward, to produce growth and release energy in cellular respiration at the higher level. • learn that biodiversity is increased by the formation of new species. • learn that humans depend on the living world for the resources and other benefits provided by biodiversity.
Physics	<ul style="list-style-type: none"> • learn that there are some mathematical rules should be followed in calculations. • learn that the differences between the description of objects at rest and in motion. • learn that physical quantities can be classified into scalar and vector quantities. • learn that graphs are fundamental base in learning physics and identify the calculation of slope of the graph. • learn that objects are different in speed according to the distance travelled and the time taken. • learn that there is a difference between the distance and displacement, speed and velocity. • learn that the way of calculating acceleration by the change of velocity and the time of change. • learn that the acceleration can be calculated from the slope of velocity-time graph for linear straight line. • learn that the fundamental kinematic equations and their uses, the parameters are related together in these equations.

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Chemistry	<ul style="list-style-type: none"> • learn that each atom has a charged substructure consisting of a nucleus, which is made of protons and neutrons, surrounded by electrons. • learn that the periodic table orders elements horizontally by the number of protons in the atom's nucleus and places those with similar chemical properties in columns. • learn that the structure and interactions of matter at the bulk scale are determined by electrical forces within and between atoms. • learn that stable forms of matter are those in which the electric and magnetic field energy is minimized. • learn that chemical processes, their rates, and whether or not energy is stored or released. • learn that the fact that atoms are conserved, together with knowledge of the chemical properties of the elements involved, can be used to describe and predict chemical reactions.
Social Studies	<ul style="list-style-type: none"> • learn several English words that have Greek roots. • learn how to compare and contrast historical facts. • learn how to outlining a few paragraphs to determine the main and supporting ideas. • learn how to make an online research and evaluate a web site, if it has good or accurate information. • learn how to make questions about what they read to be sure that they understand it well, and to make sense of what happened in the past, which help them to understand historical events. • learn about the civilizations of ancient Greece. • learn how the government of ancient Greece changed over the years. • learn a great deal about the geography and the politics of the ancient Greeks. • learn that Greek literature lives on and influences our world even today. • learn about how Persia's attempt to take over Greece. • understand the politics of the time in order to understand the Greek world and its society and culture, and how the Greek culture spread into Egypt and Asia. • learn about how Rome's location and geography helped it become a major power in the ancient world. • learn about the city's politics and discover how its three-pronged government affected all of society. • learn about the wars the Roman Republic fought as it expanded its boundaries. • learn about the city's politics and discover how its three-pronged government affected all of society. • learn about the wars the Roman Republic fought as it expanded its boundaries. • learn about the development of Rome as it grew from Republic into a strong and vast empire. • learn about the geographical expansion of the empire. • learn about powerful leaders such as Julius Caesar, Mark Antony, and Augustus. • learn about the Romans contributions to literature, language, law, and science and technology. • learn about the origins and geographic spread of Islam. • learn about great conquests and powerful Muslim rulers. • learn about the outstanding achievements of Islamic scientists, artists, and scholars.

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<p style="text-align: center;">French</p>	<ul style="list-style-type: none"> • faire une carte d'identité • v. écrire, v. commencer, v. compter, v. bouger, v. chanter, v. étudier, v. réciter, v. parler, v. payer, v. essayer, v. nettoyer, v. essuyer, v. souhaiter, v. continuer, v. détester, v. s'amuser, v. arriver, v. emporter, v. baisser, v. changer, v. apporter • v. lire, v. entendre, v. traduire, v. attendre, v. conduire, v. rendre. • les professions • les lieux de travail • les loisirs • demander et dire la profession • exprimer un désir • les pronoms COD • les adjectifs démonstratifs • c'est & il est • la météo • les fêtes • dire des dates • demander et dire le temps • présenter ses vœux • les verbes impersonnels (geler – grêler – neiger – pleuvoir – tonner)
<p style="text-align: center;">Computer Science</p>	<ul style="list-style-type: none"> • understand the uses of - SQL – Statements. • learn importance of SQL – RDBMS Concepts. • learn about - SQL – RDBMS Databases. • understand the concept s of Pseudocode. • understand the importance of - SQL – Syntax and operator. • understand the importance of photo editing. • learn how to use Adobe Photoshop. • create photos. • deal with images. • select tools. • use painting tools. • understand what a network hardware. • explore the functions of network hardware. • understand the media types. • learn how to use protocols and services. • learn how to use the OSI model. • understand IPv4 and IPv6. • understand the uses video editing. • learn importance of Adobe Primer. • learn about toolbox. • understand the dealing with videos.

Subject	Learning Objectives
<p style="text-align: center;">Arabic Language</p>	<ul style="list-style-type: none"> • سلامة النطق وحسن الأداء وتمثيل المعنى وتكوين الميل إلى القراءة لدى التلاميذ وتنميته. • القدرة على الحديث والكتابة بلغة صحيحة في التعبير ، والسلامة في الأداء . • يحدد الاسماء المنقوصة والمقصورة . • يتعرف على إعراب المفعول لأجله . • يعدد مهارات الوصف. • يفرق بين المعرب والمبني من الأفعال. • يتعلم بعض الأساليب النحوية (الاستثناء – التمييز). • يحرص على آداب الاستماع الجيد. • يتعرف خطورة مشكلة التلوث. • يرسم الألف اللينة في آخر الأسماء. • يبين مكونات أسلوب المدح والذم. • يلاحظ ظرف الزمان والمكان في الأمثلة. • أنيذكر وسائل جمع المعلومات في كتابة التقرير. • يحدد أدوات نصب وجزم الأفعال الخمسة. • معرفة مواضع الوصل و الفصل و نهاية الكلام و بدايته.
<p style="text-align: center;">Islamic Studies</p>	<ul style="list-style-type: none"> • التعرف على تفسير سورة الفرقان. • التعرف على تفسير سورة الصف. • التعرف على بعض الأخلاق التي رغب فيها الإسلام (العدل – الصدقة – الرحمة). • التعرف على الأخلاق التي نهى عنها الإسلام (الغيبة – فعل الكباير – التناجي). • التعرف على حكم الرقى والتمايم. • التعرف على حكم السحر وأنواعه. • التعرف على حكم الكهانة والعرافة والتنجيم. • التعرف على حكم التطير والفأل والتبرك. • التعرف على حكم الحلف والنذر. • التعرف على صوم التطوع والاعتكاف . • التعرف على أحكام الحج والعمرة. • التعرف على أحكام الهدى والضحية والعقيقة.
<p style="text-align: center;">Saudi Social</p>	<ul style="list-style-type: none"> • التعرف على بعض الأنظمة واللوائح في المملكة . • التعرف على الأقاليم الجغرافية وأنواع الخرائط. • التعرف على مجلس التعاون لدول الخليج. • التعرف على العالم العربي والإسلامي (خصائصه الطبيعية والبشرية والسياسية) .

The End