



Summer Readiness: Grade 10

Goal: Build momentum and confidence for the upcoming school year. Choose your challenge level for each subject. Students in Extended sections are encouraged to complete "The Push".

Subject	Focus Skills & Standards	The Resources	The Core Challenge	The Push (Extension)
Mathematics	- Skill(s): Adding and Subtracting Polynomials - Multiplying Monomials by Polynomials - Multiplying Polynomials Special Product Standard(s): A.APR.1 A.SSE.1 A.APR.6 A.SSE.2 A.APR.5 A.SSE.2	Polynomials - Classifying Monomials, Binomials & Trinomials - Degree & Leading Coefficient Multiplying a Monomial x Polynomial Multiply Polynomials the Easy Way Algebra Skills Special Products of Binomials	Summer Packet- 9 Core to 10 Core.pdf	9 Ext to 10 Ext
Language & Literature	Skill(s): Visual literacy; media analysis; interpreting visual and textual elements; identifying audience and purpose; analyzing representation, bias, and subtext; supporting ideas with evidence Standard(s): CCSS.ELA-LITERACY.RI.9-10.7 CCSS.ELA-LITERACY.RI.9-10.1 CCSS.ELA-LITERACY.RI.9-10.6	Vogue Magazine Covers Archive Analyzing Covers	ELA10 Summer Packet	ELA10 Summer Packet

Science Chemistry	Skill(s): Knowing & Understanding, Inquiring & Designing, Processing & Evaluating, Reflecting on the Impacts of Science Standard(s): *Apply scientific reasoning to explain chemical phenomena using evidence. *Use mathematics to analyze chemical data, including proportional reasoning and graphical interpretation. *Connect chemistry concepts to real-world, environmental, and technological contexts.	Khan Academy Chemistry LabXchange Density CK-12 Chemistry –	Chemistry10 Summer Packet	Cross Curricular Chemistry Science Worksheet
Conceptual Physics	HS-PS2-1. Analyze data to support the claim that Newton’s second law of motion describes the mathematical relationship among the net force on a macroscopic object, its mass, and its acceleration. Skills	Newton second law calculations Newton's Second Law Theory	Newton second law worksheet Scientific notation	Challenge worksheet

	I. Skill Category: Thinking Skill Clusters: VIII. Critical thinking skills Analysing and evaluating issues and ideas			
Individuals & Societies	Skill(s): Research skills Source comprehension Formulating enquiry questions Standard(s): D1.5.9-12 D2.Eco.2.9-12 RH.9-10.7	Located In Packets	I&S 10 Summer Pack.docx	I&S 10 Summer Pack.docx
Electives (Art/PE/Design)	Skill(s): Standard(s): Art: Skill(s): Art Analysis Standard(s): Core Challenge: VA: Re8.1.HSI The Push: VA:Re8.1.HSIII		Art: Art- Summer Museum Guide.docx	Art: Art- Summer Museum Guide.docx
Islamic	Skill(s): إتقان أحكام التجويد وتلاوة القرآن الكريم حفظ الآيات غيبا فهم معاني الآيات وما ترشد إليه معرفة مصادر التشريع وأحكام التكليفية Standard(s): قراءة - كتابة - استيعاب وفهم - تحليل - استنتاج	- التربية الإسلامية الأنشطة الصيفية - الصف العاشر.pptx Islamic Summer Packet Grade 10.pptx	التربية الإسلامية - الأنشطة الصيفية - الصف العاشر.pptx	Islamic Summer Packet Grade 10.pptx

Arabic A	Skill(s): - القراءة - التحدث - الفهم والاستيعاب- الحروف الناسخة والأفعال الناسخ Standard(s): - التحليل - التنظيم -- إنتاج النص - استخدام اللغة	من سيربح المليون؟ (لغز وحل).pptx	نموذج الأنشطة الصيفية.pdf	
Arabic B	Skill(s): - Oral Reading Fluency & Articulation - Guided Writing & Language Mechanics - Active Listening & Comprehension - Purposeful Speaking & Communication Standard(s): Communication (In response to everyday situations) Language Structures (Pronouns, Prepositions, Signifiers)	Prepositions and verbs in Arabic language Alphabet Types of Arabic Sentences : الجملة الاسمية الجملة الفعلية الجملة الاسمية والفعلية	Summer Packet Phase 1 Summer Packet Phase 2 Summer Packet Phase 3 Summer Packet Phase 4	
French	Skill(s): Phase 1: Identifying basic vocabulary. Introducing oneself and others. Counting and using numbers. Expressing simple preferences Phase 2: Describing routine activities. Using present tense of regular and irregular verbs Asking and answering simple questions	Les nombres Les couleurs Les jours Les mois Les verbes au présent Grammar Vocabulary Units	Summer Packets: Phase 1 Phase 2 Phase 3 Phase 4	Languages Online

	Describing family and hobbies Phase 3: Narrating past events Comparing habits and past actions Expressing opinions with justifications Understanding main ideas in authentic texts Phase 4: Analyzing global themes (Human Rights, Environment) Structuring argumentative essays Defending points of view during debates Standard(s): Phase 1.1: Receptive (Identify simple spoken/written phrases) - Phase 1.2: Productive (Write and speak using basic structures) Phase 2.1: Interactive (Engage in simple rehearsed dialogues) - Phase 2.2: Productive (Construct short connected sentences) - Phase 3.1: Receptive (Extract info from multi-paragraph texts) - Phase 3.2: Productive (Write cohesive texts in multiple tenses) - Phase 4.1: Interactive			
--	--	--	--	--



	(Spontaneous orals & formal discussions) - Phase 4.2: Productive (Complex syntax and thematic vocabulary)			
--	---	--	--	--

Readiness Reflection

After finishing your chosen challenges, consider:

- Which tier did you reach?
- What is one moment where things "clicked" for you?
- On a scale of 1–5, how ready do you feel for August?

Family Guidance

- Encourage students to complete the packet over time instead of in one sitting.
- Ask students to explain what they notice, how they know, and which resource helped them most.
- Families may support organization and time management, but the final work should reflect the student's own thinking.