Smiling International School

6TH GRADE

CURRICULUM TOPICS

A.S.2026-2027

VISUAL ARTS

Unit	Topic	Main Points
1	Art History and Cultural Evolution: • Introduction to world Art History • Art periods and movements in recorded history	Understand the fundamental difference between an art period and an art movement.
2	Focus on ancient civilizations: Prehistoric, Egyptian, Greek and Roman art.	Analyze the cultural impact and techniques of great civilizations of the past.
3	Evolution of artistic concepts and technologies	Reflect on the role of visual arts in society and the distinction between art and craft.
4	Visual Grammar • Elements of art (line, shape/form, space, value, color, texture) • Principles of design (contrast, balance, emphasis, proportion, harmony, unity) • Studio safety, tools, and art materials	• Master the visual alphabet (the elements) and composition rules (the principles). • Learn to safely and effectively handle tools and materials in the art studio
5	Introduction to the Portfolio and the Process Journal	Set up the Process Journal to document idea development and reflect on the creative process.
6	History and fundamentals of drawing	Develop observation skills ('learning to see') and the representation of form.
7	From Drawing to Painting: Portraiture and Color • Portrait drawing techniques and facial proportions	• Draw a realistic, front-view portrait using proportional guidelines. • Understand how to successfully translate a pencil drawing into a painted artwork.

	• History, themes and subjects of painting • Transition from drawing into painting • Color theory and painting techniques	• Explore the expressive use of color and apply various painting techniques, following the creative stages from concept to canvas.

Links with Citizenship

Interdisciplinary project Visual Arts-Citizenship-Science-Geography: focus on Andy Goldsworthy

- Visual Arts (Prehistoric Art, textures and natural pigments): students connect the origins of art (Lascaux cave paintings and Aboriginal *Dot Art*, made with earth, charcoal, and natural minerals) with contemporary Land Art. Just like prehistoric humans, artist Andy Goldsworthy creates ephemeral outdoor artworks using only raw materials found on-site: leaves, twigs, stones, ice, and mud.
- Citizenship (Life on Land): reflecting on the human-nature relationship, students explore the concept of our 'ecological footprint' and environmental stewardship. Ephemeral art teaches the beauty of leaving no trace, respecting ecosystems, and accepting natural lifecycles (the artwork is created, transforms, and decays without harming the environment).
- Geography / Science (Local Ecosystems and Landscapes): collaborating with Geography and Science to study the local environment, soil types, rock formations, and plant biology. Students learn to map and identify the natural resources of their local territory.

+ Practical Studio Project: "The light Footprint".

CHINESE

Unit	Topic	Main Points
0	Introduction	Introduction to China, Chinese history and culture Chinese language (Mandarin Chinese) Introduction to the course program, class rules and HSK1 exam
1	进步 1, UNIT 1 嗨! Hi!	Communication and vocabulary - Greetings and polite expressions - Classroom expressions - Saying one's name and asking another person's name

		- Numbers until 100 - Talking about your age Grammar - Introduction to pīnyīn, syllables and tones (pīnyīn chart) - The two founding structures of the language: 1. S-V-O structure 2. Determinante-Determinato structure - The first tonal rule - Introduction to strokes and radicals - Simple and Compound characters - The interrogative pronoun **什么** - The interrogative pronouns **几/多大**
2	**进步** 1, UNIT 2 **家** Family and home	Communication and vocabulary - Talking about family using measure words - Talking about pets - Learning to say dates and months - Talking about your birthday - Zodiac signs - Personal or Subject pronouns Grammar - The second tonal rule - New strokes and radicals - Measure words **个，口，条，只，位** - The verb **有** with its adverb of negation **没** - Demonstrative pronouns 这/**那** - Difference between **二** and **两** - Interrogative sentence with 吗 - The verb **属** - Years, months and days - Position of time expressions in a sentence - Order of elements
3	UNIT 2a (materials provided by the teacher)	Communication and vocabulary - Introducing yourself and others - Saying your nationality - Nationality related vocabulary - Teacher and student - Talking about classmates and friends - Gender prefixes **男/女** Grammar - The verb **是** and the negative form with **不**

		- Interrogative sentence with 吗 vs. 是不是 or 有没有 - Interrogative pronouns 谁 and 哪 - Difference between 哪 and 哪儿 - Structural particle 的 - Interrogative particle 呢 - Possessive pronouns with 的 - Adverbs 也 and 都 - New strokes and radicals - Stroke order - New characters
4	进步 1, UNIT 3 爱好 Hobbies	Communication and vocabulary - Talking about what you do in your free time - Discussing what you like doing - Talking about sports, hobbies and abilities - Learning the days of the week - New Chinese characters - Self-presentation Grammar - New expressions of time - The verb 喜欢 (all forms) - Sports and hobbies' related vocabulary - The verb 会 (all forms) - Languages - Position of time expressions in a sentence - Order of elements BIGGEST-SMALLEST
Links with Citizenship		
UNESCO		- UNESCO sites with cultural importance - China World heritage sites
Culture and folk traditions		• The history of Chinese characters • Chinese calligraphy • Discovering China (Chinese festivals and traditions) • Interdisciplinary project Math-Chinese: Magic squares • Interdisciplinary project Study skills-Chinese: Creation of flashcards • Interdisciplinary project Geography-Chinese: understanding China, its regions, geographical features and local cuisine

	• Interdisciplinary project Art-Chinese: creation of tailored stamps • Economic development and sustainability in China
SPEAKING AND READING	- TV series in Chinese - Books and reading comprehensions (materials will be provided by the teacher)

ENGLISH

Unit	Topic	Main Points
	Grammar & Vocabulary	
1	Syntax	-phrases versus clauses -affirmative, negative and interrogative sentences -introducing simple versus complex sentences
2	Parts of Speech/ Word Choice/ Word Transformation	- noun and adjective suffixes - prepositions: time, place, movement - adverbs of frequency - verbs followed by *to* or *-ing* - comparative and superlative adjectives - gradable and non-gradable adjectives - adjectives: prefixes and suffixes, adjectives with *-ed* or *-ing*, adjective order -pronouns: *who, which, where*
3	Verb Tenses	- present simple & present continuous - past simple & past continuous - present perfect: *just, already, yet, since, for* - present perfect vs. past simple - state verbs - introduction to modal verbs (ability and possibility; advice obligation and prohibition) - future
4	Vocabulary	- personal information - school rules, subjects, rooms & sport facilities - school collocations - clothes, jewelleries, materials - places to shop - sport (*do, go, play)* - leisure activities and hobbies - phrasal verbs with *in* - expressions for positive and negative character traits - verbs for winning and losing - feelings and emotions

		- entertainment and media (television programs, cinema, concerts)
5	Usage & Expressions	- *so do I, nor, neither do I* - *extremely, fairly, quite, rather, really, very, too, enough* -phrases for agreeing and disagreeing -time expressions
		Writing
6	Mechanics and Structure	- punctuation & capitalization - paragraph organisation - linking and transition words - formal versus informal (email)
7	Writing Preparation	- writing part 1 - writing an email - writing part 2 - writing an article - writing part 2 - writing a story
		Literature
8	Elements of Literature*	- 4 types of conflict: *man vs. man, man vs. self, man vs. society, man vs. environment* - plot: *exposition, rising action, climax, falling action, resolution* - setting - character traits
9	Traditional Literature*	- myth, legend, folktale, fable - frame story - identifying the theme and moral of a story
10	Novel Studies	Extracts of Robin Hood (Black Cat edition) - historical context, type of story, plot, characters, setting, conflict. The Canterbury Tales by Geoffrey Chaucer retold by Robert Hill (Black Cat Edition) - Geoffrey Chaucer's life, works & historical context - prologue: character descriptions, professions, traits - social classes in Medieval Times - selected tales: The Knight's Tale, The Nun's Priest's Tale, The Pardoner's Tale, The Wife of Bath's Tale, The Franklin's Tale - comparing and contrasting selected tales - studying themes and morals of each tale - writing own tale following Chaucer's techniques
11	Speaking, Presentation Skills, Debate and Discussion	- expression, notes for presentations, engaging the listener, building confidence - Construction an argument, using evidence, forming clear sentences and following a narrative, responding to a question, using humour.
		Links with Citizenship

Cultural Awareness	- Comparing school life and education in different cultures
UNESCO	- Exploring UNESCO sites with cultural importance in England and the importance of conserving cultural heritage
Global Citizenship	- Exploring environmental and social issues and discussing our responsibilities as global citizens

GEO-HISTORY

Unit	Topic	Main Points
1	Introduction & tools used in History	-Introduction to what geo-history is -Timelines, historical sources, measuring time -Roman numerals
2	Tools used in Geography	-sun and compass points and orienteering -globes and maps: latitude and longitude, map scale -graphs and charts -climate zones and landscapes (across the various historical topics to show how they are closely connected)
3	From the Height of the Roman Empire to its Fall (Revision from Primary School)	-the Empire at its peak -limes and invasions -3rd century crisis: causes & effects -Christianity -fall of the Western Roman Empire and the reshaping of Europe
4	Touch on the Roman-Germanic Kingdoms and the Byzantine Empire	-Roman-Germanic Kingdoms and the Ostrogoths -monasticism -facts and features of the Byzantine Empire -Emperor Justinian -Byzantine Italy
5	Touch on the Arabian Peninsula and Islam within the Mediterranean World	-the Arabian Peninsula and its population; -Muhammad and the birth of Islam -the importance of Jerusalem -comparison of 3 monotheistic religions: Judaism, Christianity & Islam + religious tolerance (Citizenship: Constitution, Law & Legality)
6	Early Middle Ages: Feudalism, Invasions, Castles and the Church vs the Empire	-Lombard Italy, the Franks, Charlemagne and the Carolingian Empire -Feudalism -invasions and castles -difficult relations between the Empire and the Church

7	High Middle Ages: the economic and cultural recovery after the Year 1000	-the agricultural revolution -changes and rebirth of cities; urbanization and human settlements -work; economy
8	High Middle Ages: Christian Europe + Europe and the East	-crusades and heresies -Genghis Khan and Mongol Empire
9	High Middle Ages: Communes and Frederick II	-Communes and cities -the imperial dream of Frederick Barbarossa -the clash between the empire and the Italian Communes -the papacy of Innocent III and the empire of Frederick II -Southern Italy divided between the Angevins and the Aragonese
10	High Middle Ages: Birth of National Monarchies	-crisis and Germanization of the empire -the Capetian monarchy in France -the clash between Pope Boniface VIII and the king of France -the English monarchy and the birth of Parliament -the culture of the courts and courtly love -the Reconquista of the Iberian Peninsula
11	Late Middle Ages: Crisis of 14th century	-causes of the crisis -the Black Death in Europe -the crisis and its effects -the cities during and after the plague
12	Late Middle Ages: Europe and the end of the Middle Ages	-the crisis of the papacy: the Western Schism -the Hundred Years' War between France and England -France and England grow stronger -the kingdoms of the Iberian Peninsula -Tamerlane's Turco-Mongolian Empire -Ivan the Great unifies Russia
13	Late Middle Ages: Italy–Lordships, Regional States and the Renaissance	-the birth of the Lordships and Regional States -the balance of the peace of Lodi and the wars of Italy -the rebirth of the fifteenth century -Humanism and Renaissance with Patronage and Italian artists -The power of inventions: printing and new weapons
14	Early Modern Period: Explorations and conquests beyond Europe	-the expansion of the Ottoman Empire -explorations, new tools and technologies for sea travel -Columbus and the Amerindian people -the colonial empires of Spain and Portugal -the Spanish in America
15	Early Modern Period: The Protestant Reformation and the Catholic Reformation	-the corruption of the Catholic Church -the Protestant Reformation (Luther, Calvin, Henry VIII) -the Counter Reformation -women accused of witchcraft

16	Early Modern Period: Empires and nation states in Europe	-Charles V aspires to a universal monarchy -the Empire and France continue the war in Italy -Philip II in Spain: "one king and one faith" + the economic crisis -Italy becomes a dominion of Spain -the wars of religion in France -the rise of England with Elizabeth -Europe at war -the Habsburg Empire faces the Ottomans
Links with Citizenship		
Constitution, Law & Legality		-law systems: from the Roman Empire to the early modern period (evolution and comparison) -feudal contracts and oaths - multicultural coexistence and legal pluralism (Christian, Muslim, Jewish legal systems); treatment of minorities under different rulers; frontier law and governance;
Economic Development & Sustainability		-Agricultural systems affected by climate and migration; resource management (water, land, roads) and innovation; trade routes
Digital Citizenship		- Manuscript production and copying; development of new scripts (Carolingian minuscule); libraries as information systems; transmission of knowledge across generations
Respect and Enhancement of Cultural Heritage		- Medieval and Renaissance heritage as modern identity (architecture, art, literature)

GYM

Unit	Topic	Main Points
1	Self awareness and analysis	- Beep test (20 meter run) - 10 minute run - 5 continuous jumps (m) - Upper body lifts (crunches) - Push ups - Mobility (Clock tests) - Squat (mobility and strength) - Lower back extension - Shoulder mobility - Reaction test - Throwing and Catching
2	Rhythm in Movement	- Dance warm-up - Bouncing balls in rhythm

		- Rope skipping - Jumping in rhythm in groups through circles - Counting steps before a kick or jump
3	Spatial Awareness and Cinesthetics	- Line tag - Walk - Run - Sprint - Stop - Don't Touch - Copy-cat - Copy-cat in groups (images) - Nose finger touches - Space invaders - Moving in couples
4	Ball skill-sets	- Dribbling basketballs - Dribbling footballs - Bumping, Setting and Serving Volleyballs - Throwing and catching tennis balls - Bowling balls - Throwing dodgeballs - Hitting badminton birdies with racquets - Striking a ball with a baseball bat
5	Developing general fitness	- Sit ups - Push up - Plank - Squat - Lunges - Pull ups - Tricep Push ups - Star jumps and Burpees

ITALIAN

Unit	Topic	Main Points
	Morfologia	
1	Il verbo	- a che cosa serve il verbo? - l'indicativo: il modo della certezza - l'imperativo: ordini, divieti e inviti - il congiuntivo: il modo del possibile - il condizionale: desideri, dubbi e possibilità - il participio: tra verbo, nome e aggettivo - il gerundio - l'infinito - le eccezioni: irregolari, difettivi e sovrabbondanti. - forma attiva e passiva - i riflessivi

2	Il nome e l'articolo	-funzione del sostantivo -significato dei sostantivi: nomi comuni, propri, concreti, astratti, individuali, collettivi. -struttura del sostantivo: primitivo, derivato, alterato, composto -forma del sostantivo: genere e numero -analisi grammaticale del sostantivo -significato degli articoli: articoli determinativi, indeterminativi e partitivi -analisi grammaticale dell'articolo
3	L'aggettivo e il pronome	-funzione dell'aggettivo e funzione del pronome AGGETTIVO QUALIFICATIVO -significato, forma (genere e numero), concordanza sostantivo-aggettivo, posizione, struttura (primitiva, derivata, alterata, composta) - la gradualità dell'aggettivo qualificativo: grado positivo, comparativo, superlativo AGGETTIVI e PRONOMI DETERMINATIVI - numerali, indefiniti, dimostrativi e identificativi, possessivi, interrogativi ed esclamativi. - pronomi personali - pronomi relativi -analisi grammaticale
4	L'avverbio	- a che cosa serve il sintagma avverbiale? - forme diverse di avverbio - i gradi dell'avverbio - i significati dell'avverbio
5	Le espansioni e i connettivi	- funzione e forma delle preposizioni - funzione e forma delle congiunzioni
	Epica	
1	L'Epica classica	-l'epica come genere letterario - l'epica nel tempo -caratteristiche stilistiche dei poemi epici
2	Iliade	- la questione omerica - la guerra di Troia e il mito del pomo d'oro - le divinità greche L'Iliade - caratteristiche dell'opera TESTI - proemio - l'ira di Achille - la figura di Ettore come "Pater familias" - focus: l'aspetto esteriore nel mondo greco - Tersite
6	Odissea	Odissea

		- caratteristiche dell'opera TESTI - Il valore dell'ospitalità: Ulisse e Nausicaa (solo lettura), Ulisse alla corte di Alcinoo - le avventure di Ulisse: Polifemo e le sirene - focus: gli eroi e le emozioni - Argo
7	Epica romana ed Eneide	- caratteristiche dell'epica romana Eneide - caratteristiche dell'opera - confronto tra Iliade. Odissea ed Eneide TESTI - la morte di Didone (in scheda) - focus: Pietas e Caritas - Eurialo e Niso - la morte di Pallante - Enea e Turno
8	Epica cavalleresca	- l'Epica nel Medioevo e nel Rinascimento - contesto storico e caratteristiche della "nuova epica" - i grandi cicli epici del medioevo - Beowulf - la Chanson de Roland - El cantar de mio Cid - il ciclo arturiano - la canzone dei Nibelunghi
		Antologia
1	Il testo narrativo	- come è fatto un testo narrativo - I personaggi, il tempo e il luogo - il narratore - le sequenza - focus: dalle sequenze al riassunto
2	I testi narrativi più antichi: favole e fiabe	FAVOLA - identikit della favola - favole dell'antichità: Esopo e Fedro - favole di ieri: La Fontaine - favole di oggi: Trilussa e Rodari - laboratorio di scrittura FIABE - identikit della fiaba -funzioni di Propp - fiabe classiche: i fratelli Grimm e Andersen - fiabe moderne: Rodari - laboratorio di scrittura

3	Poesia	- gli strumenti del linguaggio poetico (il verso e la strofa) - la rima - le rime imperfette - le figure retoriche (similitudine, metafora, sinestesia, personificazione, anafora, onomatopea, allitterazione) - lettura, analisi e scrittura di testi
4	Fantasy	- identikit del fantasy - storia del genere - il fantasy e le sue creature - lettura e scrittura

ICT

Unit	Topic	Main Points
1	Introduction to ICT	- What is ICT? - How ICT is part of everyday life - The importance of information and communication technologies - A brief introduction to the history and evolution of computers
2	How Computers Think: Algorithms	- What is an algorithm? - Algorithms in everyday life - Instructions, sequences and logical thinking - Creating and following simple algorithms
3	Hardware	- The main parts of a computer - Internal and external hardware - Input and output devices- Storage devices
4	How a Computer Works	- How information is processed by a computer - The relationship between input, processing and output - An introduction to the binary system - How computers represent information
5	The Operating System	- What is an operating system? - The most commonly used operating systems - Open-source and proprietary/licensed operating systems - The role of an operating system
6	Using an Operating System	- Main settings and personalisation - Desktop and basic system navigation

		- Keyboard shortcuts - Basic organisation of digital resources
7	Files and Folders	- What are files and folders? - Creating, naming, moving, copying and deleting files - Organising files efficiently - Understanding file paths and locations
8	File Extensions	- What are file extensions? - Common file formats: documents, images, audio and video - Understanding which software can open different files - Associating a file with the appropriate software
9	Data Backup	- Why backups are important - Different ways to create a backup - Local storage and cloud storage - Creating a simple personal backup strategy
10	The Text Editor	- Creating and editing a document - Saving and opening documents - Copying, pasting and duplicating content - Basic text formatting and document organisation
11	Multimedia Presentations	- What makes an effective presentation? - Combining text, images and multimedia - Creating clear and visually attractive slides - Presenting information effectively
12	Basic Spreadsheets	- Introduction to spreadsheets - Cells, rows and columns - Entering and organising data - Basic formulas and calculations - Creating simple charts
Links with Citizenship		
	Navigating the Internet Safely	- Creating and managing online accounts - Strong passwords and password protection - Protecting personal information - Recognising suspicious websites and online risks
	Digital Citizenship and Digital Identity	- The concept of personal identity and digital identity - Real identity vs digital identity - Understanding the digital footprint - Creating a fictional identity profile and comparing it with

		a real identity document - Responsible online behaviour
	Cybersecurity and Online Safety	- Recognising common online risks - Cyberbullying and responsible online communication - Phishing and suspicious messages - Privacy and personal data protection
	Real Identity vs Digital Identity	- Introduction to the concept of personal identity - Identity documents and the right to have a name - Understanding the difference between real-world and digital identity - Creating a fictional identity document and a fake social media profile for educational purposes - Comparing the two identities and discussing privacy, responsibility and digital footprints
	Safer Internet and Digital Citizenship	- Activities connected with the International Day Against Bullying and Cyberbullying - Safer Internet awareness activities - Reflection on respectful and responsible online behaviour - Understanding the importance of digital citizenship

MATHEMATICS

Unit	Topic	Main Points
ARITHMETIC		
1	Mathematical Sets	- introduction to sets - empty sets, infinite sets, finite sets - representation of a set - subsets - intersections and unions
2	Operations and Equations	- expressions and order of operations (BEDMAS) - equations and how to invert formulas
3	Exponentiations	- exponentiation and laws of exponents - the 0 and 1st power - expressions with exponents - index notation and powers of 10 - scientific notation and order of magnitude
4	Divisibility	- divisors and multiples - divisibility criteria - prime numbers and composite numbers: Eratosthenes' Sieve - prime factorization

		- fundamental theorem of arithmetic and application - Greatest Common Factor (GCF) - Least common multiple (lcm)
5	Fractions	- unit fractions - complementary fractions - proper and improper fractions - equivalent fractions - reducible and irreducible fractions - least common denominator - comparing fractions
6	Operations With Fractions	- addition - subtraction - multiplication - division - exponentiation
GEOMETRY		
7	Measurements	- units of measurement - measuring length - measuring mass - measuring time
8	Basic Elements in Geometry	- introduction to geometry - point, line, and plane
9	Parts of the straight Line	- lines, segments, and rays - comparing line segments - line segment operations
10	The Polygons	- polygons and their properties - classification of polygons - the diagonals of a polygon
11	The Triangles	- classification of triangles - notable points in triangles: orthocenter, barycenter, incenter, and circumcenter - congruence criteria
12	The Quadrilaterals	- classification of quadrilaterals - trapeziums and parallelograms - rectangles, rhombus, and squares - kites

MUSIC

Unit	Topic	Main Points
1	What is Music?	-physics of music -philosophy of music -how music is useful
2	Prehistoric Music	-the origins of music -prehistoric music: sounds and instruments
3	Ancient Music	-Ancient East -Ancient West
4	World music	-African music -Arab music -Chinese music -Indian music -Irish music -Japanese music -Mongolian music -Trinidad and Tobago music -Russian music -Balcan music -Spanish music -North european music
5	Music Notation	-treble clef and bass clef -recognition of notes on the staff -scale degrees -specific intervals
6	How Does Music Make Us Feel?	-difference between sound and noise -sound experimentation -music and the brain experiment
Links with Citizenship		
Emotional Education		-our emotions and how to manage them
Understanding different cultures		-getting to know more about different cultures through music

PRODUCTIVE THINKING

Unit	Topic	Main Points
0	Introduction to Productive Thinking	- Classroom agreement - Rules of respectful discussion - Active listening - Difference between debating and arguing - Building a safe learning environment
1	Respect & Tolerance	- Dictionary definition of respect and tolerance - Empathy - Diversity - Respecting different opinions
2	Self-Esteem & Self-Awareness	- Self-esteem vs confidence - Growth mindset - Personal strengths - Reflection - Identity
3	Stereotypes & Prejudice	- Dictionary definitions - Cognitive biases - First impressions - Inclusion - Challenging stereotypes
4	Managing Emotions & Criticism	- Emotional awareness - Constructive criticism - Emotional regulation - Resilience
5	Conflict Resolution	- Fair Play - Mediation - Communication strategies - Accountability vs Dismissal

Unit	Topic	Main Points
0	Introduction to Productive Thinking	- Classroom agreement - Rules of respectful discussion - Active listening - Difference between debating and arguing - Building a safe learning environment
1	Respect & Tolerance	- Dictionary definition of respect and tolerance - Empathy - Diversity - Respecting different opinions
2	Self-Esteem & Self-Awareness	- Self-esteem vs confidence - Growth mindset - Personal strengths - Reflection - Identity
3	Stereotypes & Prejudice	- Dictionary definitions - Cognitive biases - First impressions - Inclusion - Challenging stereotypes
6	Body shaming	- Body image - Social media - Self-worth - Respect
7	Study Skills	- Organisation - Memory strategies - Summaries - Paraphrasing - Cornell method - Time management
Links with Citizenship		

Unit	Topic	Main Points
0	Introduction to Productive Thinking	- Classroom agreement - Rules of respectful discussion - Active listening - Difference between debating and arguing - Building a safe learning environment
1	Respect & Tolerance	- Dictionary definition of respect and tolerance - Empathy - Diversity - Respecting different opinions
2	Self-Esteem & Self-Awareness	- Self-esteem vs confidence - Growth mindset - Personal strengths - Reflection - Identity
3	Stereotypes & Prejudice	- Dictionary definitions - Cognitive biases - First impressions - Inclusion - Challenging stereotypes
		Rights and duties of citizens Cyberbullying: recognition and prevention

SCIENCE

Unit	Topic	Main Points
1	Introduction	-What is science? Description of the scientific method -Observe and measure (the SI system and the scientific instruments) -experiments and representing graphs
2	Matter and States of Aggregation	-Matter and substance -Mass, weight, density, and specific weight -The atomic theory of matter

		-The aggregation states of matter
3	Heat and Temperature	-The heat and the temperature: what differences? -Thermal energy -Measurement of heat and temperature and their units -Changes of matter state -Conduction, convection, and radiation
4	The Hydrosphere	-The hydrosphere and its distribution on Earth -The water cycle - The clouds classification - Types of precipitation
5	Atmosphere	-The atmosphere -The atmospheric pressure
6	Lithosphere	- Introduction to the composition and characteristics of soil and their classification
7	Biology	-The living beings: the life cycle -The cellular organisation, structure and reproduction -From a cell to organisms -The classification of living organism -Linnaeus classification and the 5 kingdoms
8	The 5 kingdoms	-The monera kingdom -The protists and what are viruses? -The fungi: structure and reproduction
9	Plants Kingdom	- the common features in the plants structure: roots, stems, leaves and the photosynthesis process -from algae to bryophytes -tracheophytes: pteridophytes -spermatophytes: plants with flowers -reproductive cycle of angiosperms and gymnosperms -classification of plants
10	Animals: Invertebrates	-The main characteristics of animals and their classification into: porifera, cnidarian, platyhelminthes, nematodes, annelids, molluscs, echinoderms, arthropods and the phylum chordata
11	Animals: Vertebrates	-Introduction to general characteristics of vertebrates -The 5 groups of mammals: fish, amphibians, reptiles, birds, mammals
Laboratory Activity		
Bonus Lab Time		We tacked on one extra science hour every week just for laboratory work. Under the watchful eyes of our teachers—and in maximum safety gear—students finally get to play with the equipment. By doing hands-on experiments, they build real-world skills and discover that science isn't just something trapped inside a textbook, but the literal fabric of everything around them.

SPANISH

Unit	Topic	Main points
0	BIENVENIDOS First contact	-communication: communicating in class, greeting and saying goodbye -vocabulary: abecedario, school objects and places, colours, greetings, days of the week, parts of the day, numbers from 0 to 20
1	¿DE DÓNDE ERES? Greetings and language basics	-communication: introducing oneself and someone else, asking for and giving personal information, saying the date. -vocabulary: countries and nationalities, months and seasons, numbers from 21 to 100. -grammar: subject pronouns, present tense of ser, definite and indefinite articles, gender and number, present tense of regular -ar verbs, reflexive pronouns, interrogatives. -culture: the Spanish language around the world; Christmas in Spain
2	ESTOS SON MIS ABUELOS Family; describing people	-communication: talking about family; describing physical appearance and personality. -vocabulary: family, physical description, personality description, pets. -grammar: demonstrative adjectives and pronouns, present tense of regular -er and -ir verbs, present tense of tener, possessive adjectives. -culture: the Spanish Royal Family.
3	ME GUSTA Likes and preferences; sports	-communication: asking about and expressing likes and preferences; expressing agreement and disagreement. -vocabulary: sports, free-time activities, moods and physical states. -grammar: indirect object pronouns, gustar and similar verbs, muy/mucho, estar, some irregular verbs. -culture: famous Spanish sportspeople, sport and well-being
Links with Civic Education		
	Linguistic and cultural diversity	- The Spanish language around the world and linguistic and cultural diversity. - Respect for different backgrounds, languages and cultures.

	Family and relationships	• Respect for different family models. • The importance of family relationships and mutual respect.
	Health and well-being	• Sport, healthy lifestyles and well-being. • Fair play, collaboration, inclusion and teamwork.
	Emotions, preferences and living together	• Expressing emotions, likes and preferences respectfully. • Respecting opinions, likes and preferences that differ from one's own.
	Cultural heritage and identity	• Christmas traditions in Spain and intercultural comparison. • Elements of the culture and identity of Spanish-speaking countries.
	Environment, biodiversity and responsibility	• Respect for animals and the environment. Biodiversity and the protection of species and ecosystems.

TECHNICAL DRAWING and TECHNOLOGY

Unit	Topic	Main Points
1	Drawing Basics	-introduction to the subject -TD tools and how to use them -how to use a pencil: freehand and technical
2	Sheet Squaring	-practical activities
3	Geometrical Drawing	-practical activities
4	Scale	Scale images using grid method of regular and irregular shape.
5	Symmetry	-practical activities
6	Patterns	-practical activities
7	Optical Illusions	-practical activities
8	Measurements and Orientation in Space	-how to use technological information
9	Technology and Science	-difference and similarities
10	Technology of Materials	-wood, paper, ceramic, glass, fabric, metals, plastic, new materials