M. 8.1. NUMBERS AND TRANSACTIONS	M.8.2. ALGEBRA	M.8.3. GEOMETRY AND MEASUREMENT	M.8.4. DATA PROCESSING	M.8.5. PROBABILITY
M.8.1.1. Multipliers Terms or concepts: the largest common divisor (EBOB), the smallest common multiple (ECOC)	**M.8.2.1. Algebraic Expressions and Identities** Terms or concepts: identity, factoring	**M.8.3.1. Triangles** Terms or concepts: edge, bisector, height, triangle inequality, vertical edges, hypotenuse, pythagorean relation	**M.8.4.1. Data analysis**	**M.8.5.1.Probability of Simple Matters** Terms or concepts: probability, output, event, co-occurrence probability, impossible event, definite event
M.8.1.2. Exponential Numbers Terms or concepts: very large and very small numbers, scientific notation	**M.8.2.2. Linear Equations** Terms or concepts: dependent variable, independent variable, linear equation, slope	**M.8.3.2. Transformation Geometry** Terms or concepts: reflection, displacement, image, symmetry line		
M.8.1.3. Square Root Numbers Terms or concepts: integer positive integers, square root, real number, irrational number Symbols:√	**M.8.2.3. inequalities** Terms or concepts: greater or equal, less than or equal, inequality Symbols: ≥, ≤	**M.8.3.3. Concomitance and Similarity** Terms or concepts: similarity rate Symbols: "~ =" symbol for parity, "~" for similarity		
		M.8.3.4. Geometric Objects Terms or concepts: base, height, surface area, pyramid, cylinder, prism		

	SCIENCE			MATHEMATICS	ENGINEERING
YOUR PROPOSAL	Volatile Organic Compounds (VOCs) related with analysis of in example Hydrocarbon, Chlorides etc.	Plants Role in Urban Ecosystem	Relationship Plant/Climate	All different aspects of meteorological data both puntual and spatialized that will be mathematically elaborated	Methodology to direct measurement of VOC, air pollution, meteorological values, meteorological urban network
OUR ADDITIONS - RELATED CURRICULUM OBJECTIVES	F.8.4.Matter And Industry / Matter And Nature F.8.4.1. Periodic System-Group, period, classification of periodic system F.8.4.2. Physical and Chemical Changes - Physical change, chemical change F.8.4.3. Chemical Reactions - Formation of chemical reactions, conservation of the mass F.8.4.4. Acids and Bases-Acid, base, pH, acid rain, F.8.4.5. Interaction of the material with heat-Factors related to heat and specific heat F.8.4.6.Chemical Industry in Turkey-Imported chemical products, exported chemical products, official / private institutions/government agencies contributing chemical industry in our country, chemistry based professions 9.1.3. Symbolic Language of Chemistry 9.1.3.1. Students can match the names of the elements that are frequently interacted in daily life with symbols. (First 20 elements in periodic table) 9.1.3.2.Students can match the formulas of the compounds with their names. 9.2.3.1. Students can explains the settlement of elements on the periodic table. (Mendeleyev) 9.2.3.3. Students can describe the general trends of change in periodic features.	F.8.6.Transformation Of Energy And Environmental Science / Living Beings And Life F.8.6.1. Food Chain and Energy Flow - Food chain, producer, consumer, parser, food pyramid F.8.6.2. Energy Conversions - Photosynthesis, Factors affecting photosynthesis rate, respiration, oxygen free breathing, oxygen breathing F.8.6.3. Substance Cycles and Environmental Problems - Water cycle, oxygen cycle, nitrogen cycle, carbon cycle, ozone layer, global warming F.8.6.4. Sustainable Development - Sustainable life, conservation of natural resources, recycling	F.8.1. Seasons and Climate / Earth and Universe F.8.1.1. Changing Seasons - Rotation axis of the world, plane of entanglement, thermal energy, seasons F.8.1.2. Climate and Air Movements - Climate, climate science, climatology, global climate change F.8.6.2. Energy Conversions - Photosynthesis, Factors affecting photosynthesis rate, respiration, oxygen free breathing, oxygen breathing F.8.6.3. Substance Cycles and Environmental Problems - Water cycle, oxygen cycle, nitrogen cycle, carbon cycle, ozone layer, global warming F.8.6.4. Sustainable Development - Sustainable life, conservation of natural resources, recycling 9.5.1. Importance of Water 9.5.2. Air soil and water pollution	M. 8.1. Number and Transactions M.8.1.1. Multipliers - the largest common divisor (EBOB), the smallest common multiple (ECOC) M.8.1.2. Exponential Numbers - very large and very small numbers, scientific notation M.8.1.3. Square Root Numbers - integer positive integers, square root, real number, irrational number Symbols:√ M.8.2. Algebra M.8.2.1. Algebraic Expressions and Identities - identity, factoring M.8.2.2. Linear Equations - dependent variable, independent variable, linear equation, slope M.8.2.3. Inequalities - greater or equal, less than or equal, inequality Symbols: ≥, ≤ 9.2.1. Basic Concepts in Sets - set, element, universal set, empty (null) set, subset, finite set, infinite set, equal sets Symbols: ∈,∉,∅,⊆,⊇,⊈,s A 9.2.2. Set Operations - merging, intersection, difference, complement, disjoint sets, De Morgan rules, ordered pair, cartesian product Symbols: ,∩, − veya , ', , 9.3.1. Number Sets - natural numbers, integers, rational numbers, irrational numbers, real numbers Symbols: ℕ, ℤ, ℚ, ℚ′, ℝ, ℤ+, ℚ+, ℝ+, ℤ−, ℚ−, ℝ−, ℝ×ℝ, ℝ2 9.3.2. Linear equations and inequalities Symbols: <,≤,>,≥,[,], ,],[, , , ,−∞,∞ ,| | $a\ b$ $a\ b$ $a\ b$ $a\ b$ x 9.3.3. Exponential numbers and Equations	F.8.8. Applied Science / STEM Applications F.8.8.1. Applied Science

				9.3.4. Equations and Inequality Applications Symbols: %, , , = , = $ab\ a{:}b\ ab\ \ cd\ a{:}b\ \ c{:}d$ 9.4. Divisibility 9.4.1. Divisibility Rules	