STORY TEMPLATE

Level	1 ( )	2 ( )	3 ( )	
Theme	Science ( )	Technology ( )	Engineering ( )	Mathematics ( )
Objective*				
Keywords				
Word count				
Pre-reading Qs	**Open-ended questions:**			
Text**	**Exposition:** **Rising action:** **Climax:** **Falling action:** **Resolution (with Pedagogical ending to review):**			
Post-reading Qs	**Interactive questions:**			

*** Climate change and its impact; Math and tech.; Universe as space; Health and sustainability; History of science; Life sciences; Physical science**

**** Level 1: 50 -200 words; Level 2: 200 - 500 words; Level 3: 500 + words**

*****For level 1, use around 5-10 words (max.) or less in a sentence.**

For level 2, use around 5-15 words (max.) or less in a sentence.

For level 3, use around 5-20 words (max.) or less in a sentence

INNOVATIVE FRAMEWORK

	A1.1 – Beginner Level Age: 6, 7	A1.2 – Basic Level – Elementary Proficiency Age: 8, 9	A2 Level – Basic Level Age: 10, 11, 12
Science	• Animals (where they live, favorite animals, what they eat, how they move, domestic and wild animals) • Body parts • Weather conditions • Doing an experiment • Nature • The seasons • Plants and their constituent parts. Plant care. Where plants live, plant life cycle. • cultivated and spontaneous plants. edible and inedible plants. • living and non-living beings. • colors, sounds, and smells. Colors and sounds in nature. • Where to find water in nature. Saving water and caring for the environment.	• Identifying common illnesses • Sports activities • How to help animals • Weather conditions and emotions • Past actions and their consequences (history of science) • Protection of the environment • Climate in different countries or regions • Vital organs and functions (digestive system, respiratory system, circulatory system,) • Animals and plants (same topics than ages 6-7 but more developed) • Rocks: their characteristics and functions • Soil formation. Fertile, infertile and sterile soil • Solar system, planets, rotational motion, time differences in the world. • movement of the earth around the sun • Importance of the sun for life on earth	• Biographies of famous scientists • Wild animals that are now extinct • Making predictions about future events • Preventing pollution • Other planets and their discoveries • Solar system. Galaxies, planets, stars, constellations, comets and meteorites • Geography and sports activities • Scientific achievements in history • Natural forces and disasters • The continents, the oceans • Effect of temperature on water: evaporation, precipitation, solidification, condensation, sublimation. • Pollution, water quality and atmospheric air quality. • Microscopy and the invisible world • Microbes and natural defense mechanisms. Vaccination, hygiene for disease prevention • Fossils • Internal structure of the earth. Volcanoes • Forms of energy. Renewable and non-renewable energy • Diet and diversity of eating habits. healthy food.
Technology	• Simple gadgets • Electrical devices at home • Watermill and windmill operation	• Contributions of technological products to our lives • Traffic signs and signals	• Making predictions about future technology • Designing a website

		• Tools in the playground (bicycle, skateboard, skate, etc.) • Inventors of gadgets around	• Simple programming and simple circuits to turn lights on and off, to measure and record temperatures or humidity with a sensor, to turn on an alarm. Connecting these experiments to existing technology in smart homes • Building a mini wind turbine that turns on a light when we blow and starts a leaf paddle moving
Engineering	• Identifying different buildings • means of transportation (types and evolution)	• Designing a city map • experiments to build a pulley, to build a lever, to check elasticity, experiments with light sources. • How to produce energy by friction	• Common characteristics of inventors • Economic activities around • Basic needs • Production and distribution of basic needs • Impact of technological developments on life
Mathematics	• Counting (natural numbers) • Simple calculations • Labeling • Even and odd numbers. • Location and orientation: Left and right, up and down, inside and outside • Itineraries. build daily itineraries. • Simple geometry (lines and flat surfaces such as circles and squares) • Organizing time: days and months. • Ascending and descending order. Greater than, less than and equal to.	• Reading graphics • Reading timetables • Making comparisons between two things • geometric figures and geometric solids • parallel and perpendicular lines • polyhedral and non-polyhedral. • flat and curved surfaces • Organizing time: seconds, minutes, days, months, years. • cardinal points and the positions	• Natural numbers • Fractions • Simple geometry (angle, parallel, line, line segment, half line) • Length and unit of length • Time and measuring time • Area and measuring area • Volume and measuring Volume • Units of length, area and volume. conversion of units • Neutral element and absorbent element • axis of symmetry • faces and vertices of polyhedral • classification of triangles by angle

STEM-based topics suggested in the national curricula in Türkiye for the 2nd-8th grades for English language, social studies, life sciences, and mathematics.