

Syllabus International Mathematics and Science Olympiad for Primary School

Syllabus of Natural Science	Description
1. Science skill and methodology	General health (nutrition, common disease and how to prevent it)
2. General environmental issue:	a. Deforestation b. Managing natural resource pollution, water and carbon cycle, etc).
3. Basic ecology	a. Habitat, interaction b. Food chain and food web c. Population d. Ecosystem e. Life cycle etc.
4. Physiology	a. Photosynthesis b. Respiration
5. Current technology development	GMO, biotech, biofuel, satellite, etc
6. Human anatomy and function:	a. skeleton and movement b. olfactory system c. auditory system d. mouth e. eyes f. circulatory g. digestive system h. skin i. respiratory system j. disease and problems
7. Classifying organism	a. Based on their food b. Anatomy, c. Systematics, d. Reproduction system and its habitat. e. Very common or endangered species

	names
8. Mechanics	(motion of objects, static fluid and gas)
9. Solar system	(member of solar system, rotation of earth and moon, earth and moon eclipses)
10. The Planet Earth	structure, surface, process of earth formation, water cycle, renewable resources, climate, seasons, gravitation, wind)
11. Electric and magnetic	Application and models
12. Matter	(properties, phase transformation (solid, liquid, gas) physical, chemical, and biological transformation)
13. Thermal properties	(temperature, thermometer, energy, conduction, convection, radiation)
14. Light	(property, vision, color)
15. Force	(change shape of material, magnetic, gravitation, frictional forces)
16. Energy and energy change	(kinetic, potential, heat, sound, renewable, Energy conversion)