

- 08.72.10 constructs/prepare models using materials from surroundings and explains their working, for example, ektari, electroscope, fire extinguisher, string instruments, periscope etc.
- 08.72.11 exhibits creativity in designing, planning making use of available resources, etc.
- 08.72.12 applies learning of scientific concepts in day-to-day life, for example, purifying water; segregating biodegradable and non-biodegradable wastes; increasing crop production; using appropriate metals and non-metals for various purposes; increasing/reducing friction; challenging myths, legends and taboos regarding adolescence, etc.
- 08.72.13 discusses and appreciates stories of scientific discoveries.
- 08.72.14 makes efforts to protect environment, for example, using resources judiciously; making controlled use of fertilisers and pesticides; suggesting ways to cope with environmental hazards, etc.
- 08.72.15 sensitises others with the over utilization of natural resources.
- 08.72.16 exhibits values of honesty, objectivity, cooperation, freedom from fear and prejudices.
- 08.72.17 explains the formation of universe and the progress of humans in space technology.
- 08.72.18 uses different ICT equipments to understand the different scientific concepts.

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