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Design of a housing for a Roman snail

Engineering meets Biology in integrated STEM- lessons

“Designing a housing for a Roman snail” is a primary school STEM – project offered by startlearnING. Pupils are tasked with creating a habitat for a Roman snail to be housed in the classroom for at least four days. The enclosure should facilitate various biological observations and experiments with the snails.

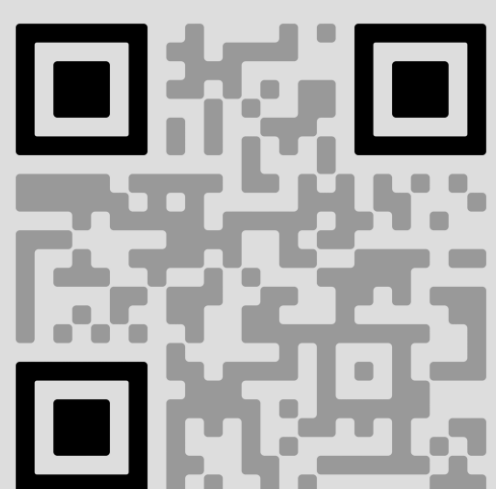
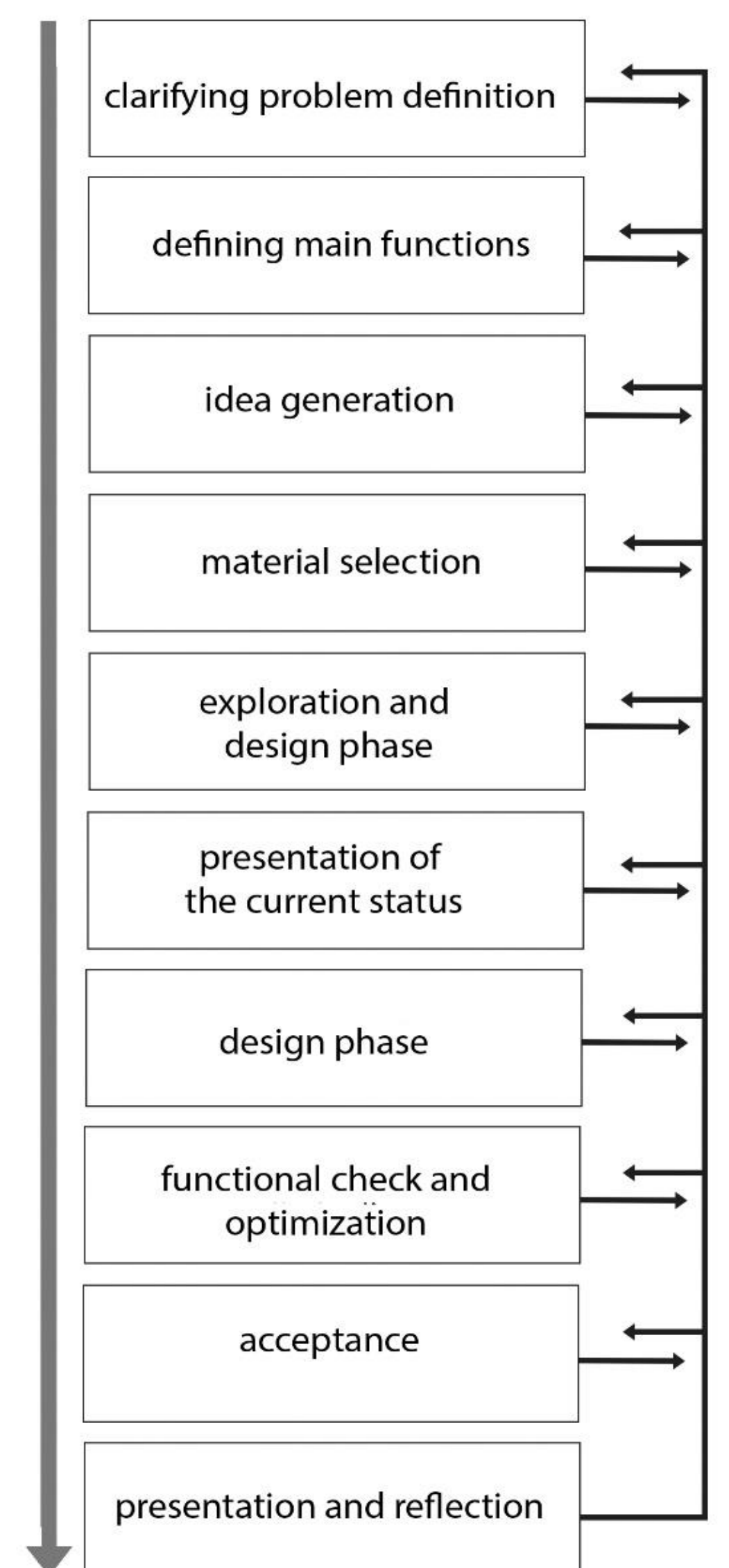
This project integrates technical construction tasks with biological studies, prompting students to understand the needs of the snails. Pupils explore questions such as the requirements for snails to survive and their living habits. The main functions of the construction are derived from this knowledge.

The housing must:

- be escape-proof,
- provide observation opportunities,
- offer retreats for the snail,
- be waterproof,
- be transportable.

Teacher assessment ensures that the constructions meet requirements without harming the snails.

Engineering design process



The project merges biology with engineering design skills, engaging pupils in problem-solving and hands-on learning while fostering pupils' STEM competencies.