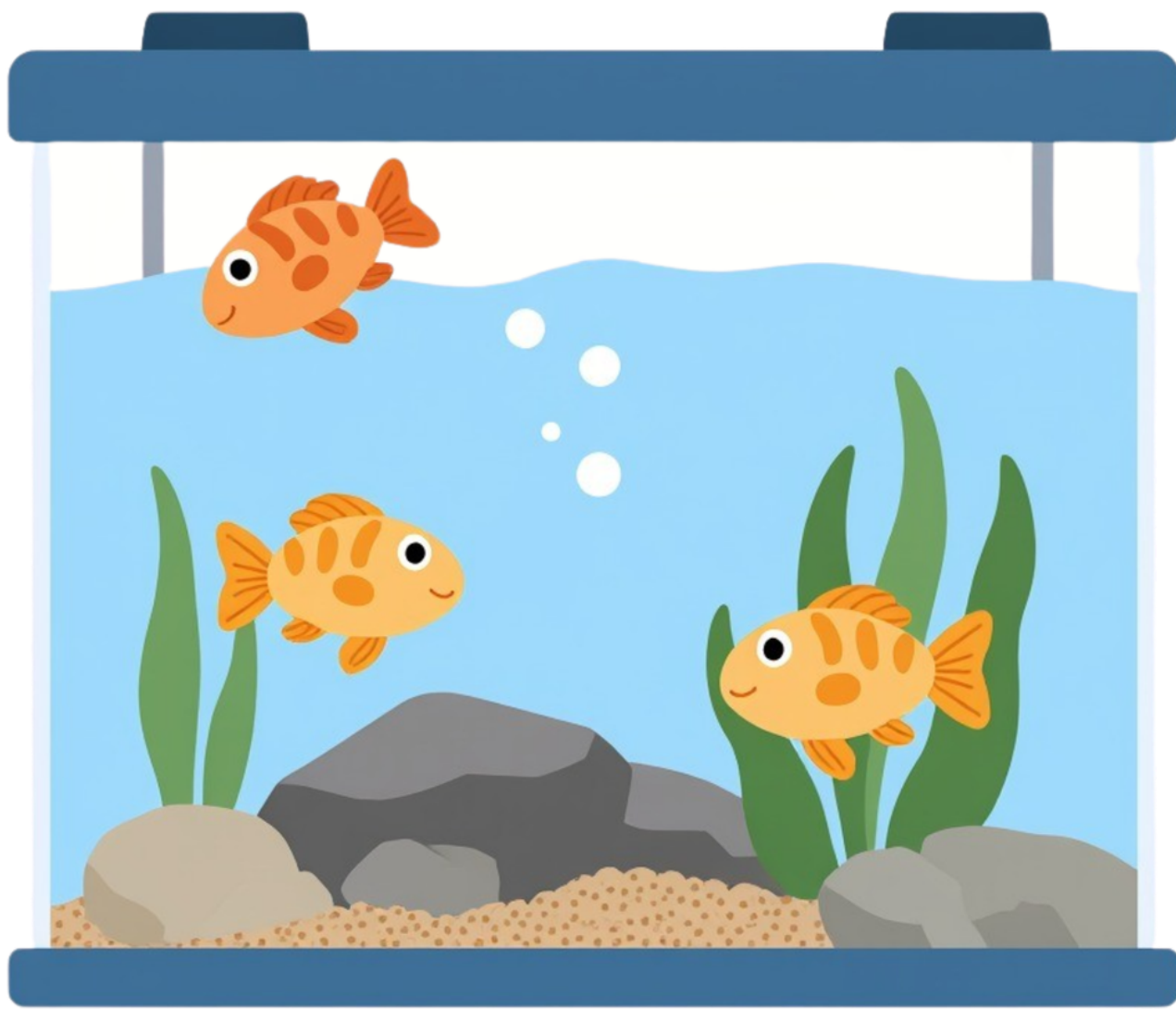




Ugdomoji STEM veikla „Vandenų paslaptys“

Mokytoja Ramutė



Purpose:

To foster children's cognitive, exploratory, and creative competencies by applying the STEAM method and introducing them to the underwater world, fish anatomy, lifestyles, and habitats.

Task:

To introduce children to underwater animals, their anatomy, lifestyles, and significance to the aquatic ecosystem, thereby fostering scientific understanding.

To develop children's skills in exploration, problem-solving, mathematics, and engineering thinking through observing, comparing, and classifying aquatic animals and creating an aquarium model.

To encourage children's creativity, communication, and collaboration skills by engaging in artistic, playful, and educational activities, and by reinforcing the knowledge gained through a quiz.



Visual teaching aids that helped children better understand the underwater world and connect theoretical knowledge with practical observations





They created an aquarium model, planned its layout, and selected suitable materials. They developed spatial awareness, creativity, and skills in problem-solving and collaboration.





Mathematical skills were developed by counting fish, comparing their sizes, sorting them by color, shape, and species, establishing sequences, and orienting oneself in space while creating an aquarium.



At the end of the educational activity, the children participated in a quiz where they applied the knowledge they had gained, answered questions, identified aquatic animals, and discussed their characteristics. The integrated STEAM activities fostered the children's curiosity, scientific understanding, critical thinking, and skills in communication, collaboration, and creativity, while experiential learning offered an opportunity to explore the underwater world in an active and meaningful way.

