

Core Skills Analysis

English

- The student improved their persuasive writing skills by crafting a compelling argument to convince their parents to get a tropical freshwater aquarium.
- They demonstrated creativity in using language to appeal to emotions and logic in their persuasive essay.
- The student honed their ability to structure an argument effectively with an introduction, supporting points, and a conclusion.
- Through the activity, the student enhanced their vocabulary by using persuasive language and adjectives to strengthen their points.

Math

- The student applied mathematical reasoning by calculating the cost of setting up and maintaining a tropical freshwater aquarium.
- They practiced budgeting skills by estimating the total expenses and presenting a well-thought-out budget plan in their persuasion.
- The student engaged in critical thinking by justifying the financial investment in the aquarium and its long-term benefits.
- They demonstrated practical application of percentages and fractions while discussing discounts on aquarium supplies.

Science

- The student learned about ecosystem dynamics by researching the necessary conditions for a healthy tropical freshwater aquarium.
- They explored biology concepts related to aquatic life, such as fish species, water pH levels, and plant requirements.
- The student practiced scientific inquiry through investigating the environmental impact of setting up an aquarium at home.
- They demonstrated an understanding of the nitrogen cycle and its importance in maintaining water quality within the aquarium.

Tips

To further develop skills related to persuasive writing and engage in hands-on learning, the student could explore organizing a mock debate on the benefits of different types of aquariums, participate in science fairs by presenting projects on aquatic ecosystems, create a blog to educate others about freshwater aquarium care, and collaborate with local pet stores or aquarium clubs for practical insights and mentorship.

Book Recommendations

- [Fish in a Tree](#) by Lynda Mullaly Hunt: A heartwarming novel about a girl with dyslexia who discovers her strengths through unique friendships and the power of perseverance.
- [The Thing About Jellyfish](#) by Ali Benjamin: An intriguing story of a girl coping with loss and finding solace in scientific exploration, including marine biology and the mysteries of the natural world.
- [I am Malala: How One Girl Stood Up for Education and Changed the World](#) by Malala Yousafzai: An inspiring autobiography of Malala Yousafzai's fight for education and the power of advocacy, showcasing the impact of persuasive writing and activism.