

Core Skills Analysis

English

- Katherine practiced her reading comprehension skills by evaluating product descriptions on the Spotlight website, enhancing her ability to extract relevant information.
- She further developed her persuasive writing skills by drafting a justification for her chosen kits based on their features and benefits.
- Katherine improved her vocabulary related to budgeting and crafting, as she encountered terminology specific to both domains during her research.
- Engaging with online reviews required critical thinking as she analyzed differing opinions and made informed decisions based on multiple perspectives.

Math

- Katherine engaged in practical budgeting by calculating total costs of the kits, ensuring she stayed within her designated budget of \$130.
- She demonstrated skills in subtraction and comparison in order to assess the cost-effectiveness of multiple kits.
- Katherine gained experience in calculating percentages when determining discounts on products, enhancing her numerical literacy.
- Through this activity, she practiced making projections and estimations about spending based on different combinations of kit purchases.

Science

- Katherine explored the scientific principles involved in the assembly of Robotime Rolife kits, which likely involve an understanding of mechanics and engineering concepts.
- She assessed the materials of various kits for their suitability and safety, linking her choices to practical applications of scientific knowledge.
- Katherine's exploration of the kits prompted research into the phenomenon of robotics, sparking curiosity about how scientific principles are applied in real-world technology.
- She learned about the importance of planning and systematic approaches in both scientific experimentation and crafting activities through the assembly process.

PASS (Physical Activity, Sport Studies)

- Katherine's activity engaged her in planning and organizational skills necessary for managing her time effectively in completing craft projects.
- By ordering kits that involve physical assembly, she engages her fine motor skills and hand-eye coordination, emphasizing the importance of physical activity in craft-based tasks.
- Katherine may examine the social aspects of crafting, such as the potential for collaboration with peers, promoting teamwork and communication skills.
- She gained insight into setting goals for completing physical projects, which is important in developing perseverance and resilience in learning.

Technology

- Katherine utilized online shopping portals, thus enhancing her digital literacy and ability to navigate e-commerce platforms effectively.
- She learned about the technological components involved in the Robotime kits, exploring the

integration of electronics and programming in her project.

- Katherine experienced the practical application of technology in her crafts, linking software skills with tangible results in robotics and assembly.
- Through handling her order, she developed an understanding of how technology can streamline buying processes and enhance learning experiences.

Tips

To enhance Katherine's learning experience, consider incorporating more detailed budgeting exercises involving additional variables such as taxes or shipping fees, to deepen her understanding of financial literacy. Encourage her to evaluate the environmental impact of her craft kit choices, promoting awareness of sustainability in consumption. Additional activities could include researching alternative crafting materials that are eco-friendly, or engaging in a group project where she collaborates with peers to design and create a larger robot, applying both technology and engineering principles.

Book Recommendations

- [The Total Money Makeover: A Proven Plan for Financial Fitness](#) by Dave Ramsey: This book teaches essential budgeting and money management skills in a relatable manner suitable for teenagers.
- [The Penny Pinchers Club](#) by Sarah Strohmeier: A fiction novel revolving around clever budgeting and financial management, captivating for a young audience.
- [Craftivity: 60 Creative Adventures in a Box](#) by Karen Larkin: A great resource for teenagers interested in exploring various craft projects, including budget-friendly ideas.

Learning Standards

- Maths ACARA: Year 9 - Using decimal fractions and percentages to solve problems (ACMNA224).
- English ACARA: Year 9 - Identify and evaluate the effectiveness of the structure and language features used in texts (ACELY1732).
- Science ACARA: Year 9 - Understanding the role of sciences in society and the environment (ACSHE160).
- PASS ACARA: Year 9 - Understanding the importance of physical activity in maintaining a healthy lifestyle (ACPPS090).
- Technology ACARA: Year 9 - Working with Technological Systems (ACTDEK032).