Writing a Proposal for a New IoT Product: Enhancing Lives of Hong Kong People

Student Name: _____

Class: _____

Due Date: _____

Introduction

The Internet of Things (IoT) is a network of physical devices, vehicles, home appliances, and other items that are embedded with sensors, software, and connectivity, allowing them to collect and exchange data. In this worksheet, you will learn how to write a proposal for a new IoT product that can improve the lives of people in Hong Kong.

Understanding IoT Products

IoT products are devices that are connected to the internet and can be controlled remotely. They can be used in a variety of applications, including smart homes, wearables, and industrial automation. IoT products have the potential to improve the lives of people in Hong Kong by making their daily lives more convenient, efficient, and safe.

Key Concepts:

- Smart homes
- Wearables
- Industrial automation

Activity 1: Identifying IoT Products

Identify three IoT products that you use or have heard of. Write a short description of each product and explain how it improves your daily life.

1. Product 1: _____
   Description: _____
2. Product 2: _____
   Description: _____
3. Product 3: _____
   Description: _____

Using Sentence Patterns

When writing a proposal for a new IoT product, it is essential to use sentence patterns such as "enable to", "allow to", "capable of", and "be able to" to describe the features and benefits of the product.

Complete the following sentences using the correct sentence pattern:

1. The new smart home device _____ (enable to) control the temperature and lighting in the house.

2. The wearable device _____ (allow to) track fitness goals and receive notifications.

3. The IoT product _____ (capable of) monitoring and managing energy usage.

4. The smart traffic management system _____ (be able to) reduce congestion and improve air quality.

Relative Clauses with "Which"

Relative clauses with "which" are used to provide additional information about a device. For example, "The IoT product, which is equipped with sensors and GPS, enables users to track their daily activities."

Complete the following sentences using a relative clause with "which":

1. The smart home device, _____ (which), allows users to control their home appliances remotely.

2. The wearable device, _____ (which), tracks fitness goals and provides health alerts.

3. The IoT product, _____ (which), monitors and manages energy usage, reducing waste and improving sustainability.

Writing a Proposal

A proposal for a new IoT product should include the following elements:

- Introduction: Introduce the product and explain its purpose
- Features: Describe the features of the product
- Benefits: Explain the benefits of the product
- Conclusion: Summarize the proposal and call to action

Write a proposal for a new IoT product that can improve the lives of people in Hong Kong.

Conclusion

In this worksheet, you have learned how to write a proposal for a new IoT product that can improve the lives of people in Hong Kong. You have practiced using sentence patterns and relative clauses to describe the features and benefits of IoT products. Remember to use these skills when writing your proposal and to include all the necessary elements.
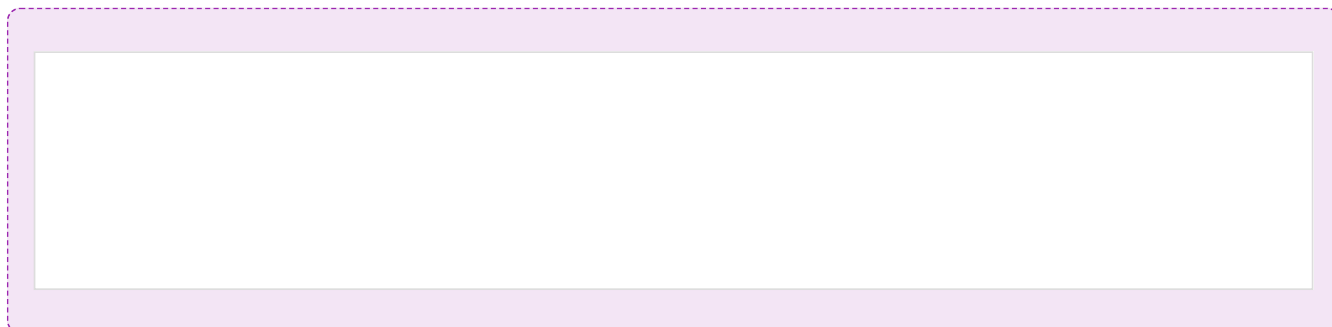
Assessment

Your proposal will be assessed on the following criteria:

- Content: Does the proposal clearly describe the IoT product and its benefits?
- Organization: Is the proposal well-organized and easy to follow?
- Language Use: Does the proposal demonstrate accurate and effective use of sentence patterns and relative clauses?

Extension Activity

Design and propose a new IoT product that solves a real-life problem in Hong Kong. Use the skills learned in this worksheet to write a clear and concise proposal that highlights the features, functionality, and benefits of your product.

Additional Resources

For further learning and research, you can explore the following resources:

- Online articles and journals on IoT products and their applications
- Books and research papers on IoT technology and its impact on society
- Websites and online forums discussing IoT products and their benefits

Glossary

Here is a list of key terms and definitions related to IoT products:

- IoT: Internet of Things
- Smart home: A home that is equipped with IoT devices and can be controlled remotely
- Wearable: A device that is worn on the body and can track fitness goals and provide health alerts
- Industrial automation: The use of IoT devices to automate industrial processes and improve efficiency