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**Chapter Case**

Chapter 13 Computer Languages, Applications, and Emerging Technologies

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# Chapter 13 Computer Languages, Applications, and Emerging Technologies

## Vivian’s Raspberry Pi

Vivian had a hard time with volleyball practice today. She couldn’t get her mind off of her science fair project idea. She wasn’t sure exactly what she wanted to do. All she knew is that she wanted to use a Raspberry Pi. Suddenly …. BOOM! Here comes the volleyball straight at her head! And then …. she got an idea!

A Raspberry Pi is a small low-cost computer that enables people of all ages to explore technology and learn how to program. There are lots of projects students can explore such as building a robot or creating wearable technology. Here is a list of projects: <https://projects.raspberrypi.org/en>. The projects are designed for people all over the world who speak different languages. For instance, here is the link for projects with the instructions in Spanish: <https://projects.raspberrypi.org/es-ES>. The whole world can have fun with Raspberry Pi!

## Case Questions

1. Look through the projects on the Raspberry Pi website. Find a project that interests you. Describe at least 2 things about the project that interests you to include: What will you make and what will you learn?
2. Each Raspberry Pi project includes a detailed set of Instructions. Look through all of the steps included in the instructions of your project. What do you think would be the most difficult task for you to complete and why do you think it would be so difficult? Now, describe what you think you would need to learn in order to complete this most difficult task.