

はじめに

グローバル化が進む現代では、コミュニケーション能力が必要とされています。特に、英語によるコミュニケーションは、インターネット上では必須であり、英語を使った情報交換や議論が展開されています。理系の分野では、今後ますます英語でのコミュニケーションが、研究や職場で必要とされるでしょう。

コミュニケーションを円滑におこなうためには、相手の考えや意見を読んだり聞いたりすることや、自分の考えや意見を伝えることが大切です。本書は、そうしたコミュニケーションの基礎を学ぶために、理系の分野の内容とコミュニケーションに必要な英語の機能表現を合わせてあり、理系に関する内容のコミュニケーション力が身につくように構成されています。

英語学習では、目標が大切です。各ユニットには学習目標をつけました。学習した内容が身についたか、自己評価をしてみてください。各ユニットの構成は次のとおりです。

Warming-up

ユニットの内容に沿って、導入のための簡単なアクティビティをおこないます。

Expressions

目標となる英語の機能表現を学習し、関連するアクティビティをおこないます。ペアやグループでの活動も取り入れてありますので、積極的に活動しましょう。

Dialog

実際にキャンパスで繰り広げられるような身近な会話が展開されます。理系の学生が使うであろうと考えられる英語表現が含まれています。さらに、会話をペアで練習し、会話に関連したアクティビティなどをおこないます。

Let's Communicate!

学習の最終段階です。ユニットで学習したことを基に、ペアワークやインタビューをおこないます。テキストを見ないで会話ができることを目標としてください。

英語でのコミュニケーション力は、すぐに身につくものではありません。英語に触れる時間を増やし、英語に慣れていくことが必要です。また、英語を楽しむことによって、英語力がついていくようになります。本書に収められている身近な英語表現を、実際の生活の場面で応用して使うことができるようになることを願います。

鈴木 栄

Preface

Basic Communication for the Sciences is a beginning-level (false-beginner) EFL, active-learning textbook for Japanese students majoring in engineering and other science-related degrees. The authors' goal for this book is to provide students with the language skills needed to talk about their university life and their academic pursuits with other students, university staff, and other speakers of English. We also want students to interact with other people in English as much as possible and develop the social skills that will help them succeed in work and life wherever they might be in the world.

The book consists of 15 units. Some units will have difficult vocabulary (e.g. majors and professions), and may require more time to complete. The grammar, however, is quite elementary and should be easy for students to master quickly. The units are divided into four sections: *Warming-up*, *Expressions*, *Dialog*, and *Let's Communicate!* In the *Warming-up* section, students are introduced to language and exercises that will get students thinking about the targeted language for that particular unit. *Expressions* provides the targeted vocabulary and grammar with activities designed for developing accuracy and helping students overcome any fossilized bad language habits. The *Dialog* and accompanying exercises provide students with examples of how the targeted language might be used among native speakers. Finally, in the *Let's Communicate!* section, there are a variety of activities aimed at helping students develop their English fluency. Overall, the four sections in this book are designed to aid the language acquisition process by helping students move language items from short-term memory and on to permanent memory, while building competency and improving performance and fluency.

Basic Communication for the Sciences is a collaborative effort, attempting to introduce more science-related English to university classrooms and improve the overall language learning/acquisition process for students. We hope that this textbook proves beneficial, and we encourage teachers to share their feedback about the book so that it may be improved.

Best regards,

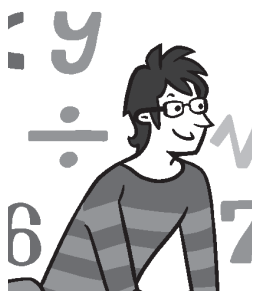
David C. Heil and Jethro Kenney

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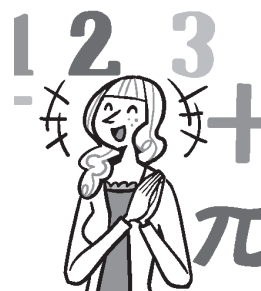
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登場人物



Hiro

S工科大学工学部1年生
 専攻：情報科学
 将来の夢：プログラマー／SE
 数学とゲームを愛する理系男子



Anna

S工科大学工学部1年生
 専攻：人間環境学
 将来の夢：家具デザイナー
 リケジョだが実は数学が苦手

I Am an Engineering Student.

Learning Objective 学習目標

I can introduce myself to other people. (自己紹介する)



Warming-up

Practice the dialog below with a partner. Then, introduce yourself to three people. Don't forget to shake hands and make eye contact.

ペアを組み、次の会話を練習しましょう。その後で別の3人にも自己紹介してみましょう。握手とアイコンタクトを忘れないようにしましょう。



A: Hello. My name is _____.

B: Hi, _____. I'm _____. (It's) nice to meet you.

A: (It's) good meeting you, _____.

()の語は省略することができます。

Write the other students' full names in English in the spaces below.

自己紹介した相手のフルネームを英語で書きましょう。

1. _____ 2. _____ 3. _____

Expressions

Identifying different types of university students

「…専攻の学生です」

I am	● an astronomy ● a biology ● a chemistry	student.
He/She is	● a computer science ● an engineering ● a general science	
You are	● a geology ● a math ● a physics ● a medical	
	● a nursing ● a pharmaceutical	

Exercise

#1. Answer question 1 below. Then, ask your partner the same question. Write his/her answer under number 2. If you don't find your major above, check your university website.

次の質問1に答えましょう。その後でペアを組み、同じ質問をして2に答えを書きましょう。自分の専攻が上の表にない場合は、大学のホームページなどで調べてみましょう。



1. What kind of student are you?

2. What kind of student is your partner?

#2. Practice the dialog below with two partners. Use your own information in the spaces. Write your answers below.

ペアを組み、次の会話の下線部に自分の情報を入れて練習しましょう。別の相手とも練習して、それぞれの専攻を書きましょう。



A: Hello. My name is _____.

B: Hi, _____. I'm _____. Nice to meet you.

A: It's good meeting you, too, _____. By the way*, what kind of student are you?

B: I'm _____ student. How about you?***

A: I'm _____ student.

1. _____ 2. _____

✓ *"By the way" is a good phrase to use to change the subject and ask questions.

By the wayは「ところで」と話題を変えたり、質問をするときに便利なフレーズです。

***"How about you?" and "And you?" are shorter ways to ask the same question.

How about you?やAnd you?は「あなたはどうですか?」と相手に同じ質問をしたいときに使います。

Dialog

Step 1: Listen to the dialog. 次の会話を聞きましょう。

DL 02

CD02

Hiro: Hello. My name is Hiro. I am an engineering student.

Anna: Hi. I'm Anna. I'm an engineering student, too. It's nice to meet you, Hiro.

Hiro: It's good meeting you, too, Anna. Where are you from?

Anna: I'm from Tokyo. How about you?

Hiro: I'm from Fujisawa. I went to Shonan Seaside High School. What high school did you go to?

Anna: I went to an international school in Yokohama.



Step 2: Work with your partner. Practice the dialog above.



上の会話をペアで練習しましょう。

Step 3: Use the dialog above and the dialog below to complete the chart below.

上の会話と下の例文を参考にして、自分のことを表に書きましょう。

Example:

DL 03

CD03

Anna: By the way, what is your hobby, Hiro?

Hiro: My hobby is listening to music.

Anna: What kind of music do you like?

Hiro: I like American pop music.

Anna: Cool. What artists do you like?

Hiro: I like Taylor Swift and Justin Bieber.

1. Where are you from?
I'm from _____.
2. What high school did you go to?
I went to _____.
3. What is your hobby?
My hobby is _____.(e.g. listening to music; reading; playing soccer)
4. What kind of music do you like?
I like _____.(e.g. J-Pop, Blues, R&B, Soul, Rock n' Roll)
5. What artists do you like?
I like _____.



Let's Communicate!

#1. Ask your partner the questions below. Write his/her answers.



ペアを組み、次の質問をして答えを書きましょう。

Partner's Name _____

1. Where are you from?
He/She is from _____.
2. What high school did you go to?
He/She went to _____.
3. What is your hobby?
His/Her hobby is _____. (e.g. listening to music; reading; playing soccer)
4. What kind of music do you like?
He/She likes _____. (e.g. J-Pop, Blues, R&B, Soul, Rock n' Roll)
5. What artists do you like?
He/She likes _____.

#2. Change partners. Introduce your first partner's information to another student.



相手を変えて、先ほどのパートナーのことを紹介してみましょう。

His/Her name is _____. He/She is from _____. He/She went to _____ high school. His/Her hobby is _____. He/She likes _____ music. He/She likes _____.

#3. Now, introduce yourself to the class. Try it without reading.

クラスの人に自己紹介してみましょう。見ないで言ってみましょう。

My name is _____. I am _____ student. I am from _____. I went to _____ high school. My hobby is _____. I like _____. Thank you very much.