Max Online Lesson

ハイレベル構文

＜Unit 03＞
itを含む構文　－　it takes ～

Max Classroom.net

STEP 1

＜英文解釈＞
文の中でターゲット構文をつかむ

問題01

Distances in space are incredibly large. So large, in fact, that even the fastest probe in space right now — the Voyager 1 — would take 80,000 years to reach our nearest star, Proxima Centauri — only four light years away. Even if new technologies one day allow spaceships to travel at one-tenth of the speed of light, it would still take an astronaut traveling to Proxima Centauri 40 years just to arrive. A round-trip journey would take a lifetime. It is clear that sending humans to distant stars is not an easy goal, and it isn't likely to happen any time soon.

＜出典＞　2019年　獨協大学　2月2日

問題01

Even if new technologies one day allow spaceships to travel at one-tenth of the speed of light, it would still take an astronaut traveling to Proxima Centauri 40 years just to arrive. A round-trip journey would take a lifetime.

問題01

<Even if new technologies one day allow spaceships to
even if SV　　allow O to do
travel at one-tenth of the speed of light,> it would still
at ～ speed　　it take(s)
take [an astronaut traveling to Proxima Centauri] [40
O　　O
years] just to arrive. A round-trip journey would take a

lifetime.

問題01

Even if new technologies one day allow spaceships to travel at one-tenth of the speed of light, it would still take an astronaut traveling to Proxima Centauri 40 years just to arrive. A round-trip journey would take a lifetime.

無生物主語は副詞的にとらえる → 「～によって」

【MAX模範解答】
たとえ新しい技術によってある日、宇宙船が光の10分の1の速さで進むことができるようになったとしても、プロキシマ・ケンタウリに旅をする宇宙飛行士は到着するだけでそれでも40年かかるだろう。往復の旅となれば（まして）一生分かかることになるだろう。

READING TIME

動画を止めて、まずは黙読を1回、次に音読を1回しましょう。

Distances in space are incredibly large. So large, in fact, that even the fastest probe in space right now — the Voyager 1 — would take 80,000 years to reach our nearest star, Proxima Centauri — only four light years away. Even if new technologies one day allow spaceships to travel at one-tenth of the speed of light, it would still take an astronaut traveling to Proxima Centauri 40 years just to arrive. A round-trip journey would take a lifetime. It is clear that sending humans to distant stars is not an easy goal, and it isn’t likely to happen any time soon.

なぜit？

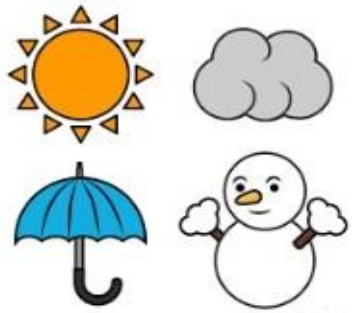
It　＝　時間、曜日、天気などを表す

※注意　あくまでも１つの説です

キリスト教的な考え方で、自然の理（ことわり）は神が作ったという考え

人間の力を超えた存在

天気は
私の気分



時は
私が
告げよう

問題02

A pendulum is an extremely simple device — a weight hanging from a string swings back and forth. （中略）
Miranda pulls the weight back and releases it again. Alexis times how long it takes for the pendulum to make one complete swing back and forth. Then, Miranda pulls the weight back twice as far and releases it. Alexis times the swing again, and the girls are surprised to find that the amount of time is the same.

＜出典＞　2019年　東京農業大学　2月9日

問題02

Alexis times how long it takes for the pendulum to make one complete swing back and forth. Then, Miranda pulls the weight back twice as far and releases it. Alexis times the swing again, and the girls are surprised to find that the amount of time is the same.

問題02

Alexis times [how long it takes for the pendulum to make
V
it take(s) 時間 for to do
one complete swing back and forth]. Then, Miranda pulls

the weight back twice as far and releases it. Alexis times
twice as ～ (as B)
the swing again, and the girls are surprised to find that

the amount of time is the same.

彼女たちはもともとどんな仮説を立てていたのか？

問題02

Alexis times how long it takes for the pendulum to make one complete swing back and forth. Then, Miranda pulls the weight back twice as far and releases it. Alexis times the swing again, and the girls are surprised to find that the amount of time is the same.

【MAX模範解答】
アレクシスは振り子が（前後に）完全に一振りして戻ってくるのにどのぐらいかかるのか時間を計った。そして、ミランダは重りを（さっきの）倍の距離引っ張ってそれを放した。アレクシスはそのひと振りを再度測ったところ、その女の子たちは所要時間が一緒だったことを知って驚いた。

READING TIME

動画を止めて、まずは黙読を1回、次に音読を1回しましょう。

Alexis times how long it takes for the pendulum to make one complete swing back and forth. Then, Miranda pulls the weight back twice as far and releases it. Alexis times the swing again, and the girls are surprised to find that the amount of time is the same.

問題03

What does it take for a living cell to stay alive? Quite simply, it takes good housekeeping and good external relations, which is to say good management of the myriad problems posed by living. Life, in a single cell as well as in large creatures with trillions of them, requires the transformation of suitable nutrients into energy, and that, in turn, calls for the ability to solve several problems.

＜出典＞　2017年　東京農工大学　前期

問題03

What does it take for a living cell to stay alive? Quite simply, it takes good housekeeping and good external relations, which is to say good management of the myriad problems posed by living.

問題03

What does it take for a living cell to stay alive? Quite

it take(s) for O to do

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relations, which is to say good management of the myriad

that is to say

problems (posed by living).

分詞

何を言っているのだろうか？

問題03

What does it take for a living cell to stay alive? Quite simply, it takes good housekeeping and good external relations, which is to say good management of the myriad problems posed by living.

【MAX模範解答】
細胞が生き続けていくには何を要するのだろうか。全く単純に言うと、細胞内（の状態）をよく保つことと外部との関係をよく保つことであり、それはすなわち、生きていくことで課される無数の問題をよく管理することと言える。

READING TIME

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Point 1: it takes ～のエッセンス

it takes ＝ 要する

But being confronted with a foreign language is often frustrating at first. It takes constant effort to listen, concentrate, and try to make sense of what you hear.　（2019年　関西学院大学　2月7日）

“We are experts at detecting emotional states in those we live with, but it most likely takes time and experience to understand people we’ve just met.”　（2019年　立教大学　2月14日）

He believes that it takes a certain mentality — and a lot of energy — to juggle his career.　（2018年　岐阜大学　医　前期）

問題04

It was found that talking in the third or second person, helped people control their feelings and thoughts better than those who spoke in the first person.　＜中略＞
While Gamble is not yet talking to himself in the third person — he finds it too strange — his coach has told him to repeat self-affirming comments out loud, such as “don’t do your best, do whatever it takes.” He has taken that advice to heart and says it works.

＜出典＞　2018年　岐阜大学　医　後期　（一部編集）

問題04

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問題04

＜While Gamble is not yet talking to himself in the third
talk to oneself
person ― he finds it too strange ―＞ his coach has told

him to repeat self-affirming comments out loud, such as
tell O to do
“don’t do your best, do whatever it takes.”

whatever it takes

対比されているニュアンスを
とろう

問題04

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【MAX模範解答】
ギャンブルはまだ三人称で自分に話しかけることはしておらず、それはあまりに不自然だと思っているが、彼のコーチ（指導者）は「ベストを尽くすなんてことじゃだめだ、なんとしてもやりきるんだ」と言ったような自己肯定をするコメントを繰り返すように言い続けてきた。

READING TIME

動画を止めて、まずは黙読を1回、次に音読を1回しましょう。

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解答をダウンロードして自分でチェックしましょう

STEP 2 & STEP 3

和文英訳　アウトプットチェック

http://www.maxclassroom.net/onlinestudy.html

The End

See you in the next lesson.

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