

UNIT 5 Lesson 2

Science and Technology

LESSON SUMMARY

Vocabulary

Word/Phrase	Meaning	Example
rescue (n) /'reskju:/ → rescue (v) → rescuer (n)	the act of saving someone or something from a dangerous situation	There are some rescue robots that can help during and after disasters.
lift (v) /lɪft/ → lift (n)	to raise somebody or something to a higher position	This robot can't lift objects high.
complete (v) /kəm'pli:t/ → complete (adj) → incomplete (adj)	to finish doing something	Sarah needs to complete her essay about technology.
navigate (v) /'nævɪɡeɪt/ → navigation (n)	to find your way through a difficult situation	Robots can navigate through narrow places.
carefully (adv) /'keəfəli/ → careful (adj) → careless (adj)	with great attention, so that you don't do something wrong	Mia has to clean the robot arms carefully .
quietly (adv) /'kwaɪətli/ → quiet (adj)	in a way that makes very little noise	My robot vacuum is very noisy. It can't move quietly .
recognize (v) /'rekəɡnaɪz/ → recognition (n)	to know who someone is and what something is when you hear or see them	My new phone can recognize my face.
safely (adv) /'seɪfli/ → safe (adj) → safety (n)	in a way that doesn't cause any danger or harm	There are cars which can drive safely without a driver.

Grammar

Comparative adverbs

We use **comparative adverbs** to compare two actions.

Flash 1 navigates **better** than *Flash 2*.

Lucy drives **more safely** than Eddie.

Adverbs	Comparatives
One syllable	Add er hard → harder
One syllable ending in e	Add r late → later
Two or more syllables	Add more safely → more safely
Exceptions	well → better badly → worse far → farther much / many → more little → less early → earlier

Pronunciation



• Stress in words ending in -er

Stress the first syllable for words ending in -er.

- faster /'fæstər/ • better /'betər/ • darker /'dɑːrkər/ • harder /'hɑːrdər/

• Stress in three-syllable words ending in -ly

Stress the first syllable in three-syllable words ending in -ly.

- happy /'hæpəli/ • angrily /'æŋgrəli/ • quietly /'kwaɪətli/ • easily /'iːzəli/

BUT • entirely /ɪn'taɪrli/

PRACTICE



Pronunciation

a. Circle the word with a stress pattern different from the others.

- | | | | |
|-------------|-------------|-------------|-------------|
| 1 A quicker | B alone | C alive | D surprised |
| 2 A heavily | B wealthily | C healthily | D entirely |

b. Circle the word that has the underlined part pronounced differently from the others.

- | | | | |
|------------------|-----------------|---------------|---------------|
| 3 A <u>deaf</u> | B <u>health</u> | C <u>head</u> | D <u>leaf</u> |
| 4 A <u>taste</u> | B <u>waste</u> | C <u>race</u> | D <u>any</u> |
| 5 A <u>pay</u> | B <u>land</u> | C <u>take</u> | D <u>make</u> |

Vocabulary

a. Circle the correct options.

- My robot cleaner is annoying. It can't work **loudly** / **quietly** and is always making noise.
- I think the OP 12 is better for being a **rescuer** / **cleaner**. It navigates better and works more carefully.
- Our robot can **complete** / **lift** heavy objects of around 300 kg.
- Sarah loves her robot because it can **recognize** / **navigate** her voice and does what she says.
- The robot arm works very **carefully** / **safely**. It puts everything in the correct place.

b. Write the correct forms of the words in brackets.

- | | |
|--|-------------|
| 6 My robot vacuum works _____. There's still dust on the floor. | (CARE) |
| 7 There are some problems with the robot's _____ system. | (NAVIGATE) |
| 8 Face _____ technology is becoming more and more popular. | (RECOGNIZE) |
| 9 The design of the robot was _____, so I couldn't build it. | (COMPLETE) |
| 10 Many factories started to use robots to improve the _____ of the workers. | (SAFE) |



Grammar

a. Read the information in the table. Give the correct forms of the adverbs in brackets.

Abilities	Robots	Zipo	GS34
can run		25 km/h	35 km/h
can jump		1.2 meters	1 meter
can complete tasks		without damage	with some damage
can navigate		very well	OK
battery lasts		24 hours	36 hours

- GS34 runs _____ (fast) than Zipo.
- Zipo jumps _____ (high) than GS34.
- GS34 completes tasks _____ (carelessly) than Zipo.
- Zipo navigates _____ (well) than GS34.
- Zipo's battery lasts _____ (short) than GS 34's.



b. Read the information in the table in Exercise a. Circle the correct options.

- Zipo runs **more slowly** / **faster** than GS34.
- GS34 jumps **lower** / **higher** than Zipo.
- Zipo completes tasks more **carefully** / **careful** than GS34.
- GS34 navigates **worse** / **better** than Zipo.
- GS34's battery lasts **longer** / **shorter** than Zipo's.



Listening

a. Listen to a report about a robot competition. Write T (true) or F (false).



- RoboCON takes place every year. _____
- The robots in the competition are made by high school students. _____
- Four robots take part in the final round. _____
- The robots have to complete four tasks in the competition. _____
- Tiger completes his tasks faster than the other robots. _____

b. Listen again. Fill in each gap with NO MORE THAN TWO WORDS.



Tasks	Robots	Victory 1	Bunny	Tiger
lifting the object		successful for the 6) _____ time		successful in the first time
climbing the stairs		in 1 minute	broken	in 1.5 minutes
completing math tasks		in 7) _____ second		in 9) _____ seconds
arranging wood blocks		keep the blocks for 8) _____		keep the blocks for 10) _____

ROBOT COMPETITIONS



Speaking

Choose the robot which is better for each job and give the reason.



sales assistant
dancer
driver
rescue worker
singer
cleaner

Abilities	Robots	LO22	TK88
dance beautifully		★★★★★	★★★
drive carefully		★★★	★★★★★
sing happily		★★★★★	★★★
calculate quickly		★★★	★★★★★
navigate well		★★★★★	★★
clean fast		★★★★★	★★★



LO22

TK88

"I think LO22 is better for being a cleaner. It cleans faster."

Writing

a. Read the information in the table. Use the words in brackets to make sentences with **comparative adverbs**.

Abilities	Robots	Wall-E	Sparky
can navigate		OK	very well
can run		40 km/h	45 km/h
can go		50 km	45 km
can move		quietly	very quietly
can search for objects		in a second	in 2 seconds



- _____ (well)
- _____ (fast)
- _____ (far)
- _____ (quietly)
- _____ (slowly)

b. Make sentences using the prompts.

6 Chicko / complete tasks / quietly / Birdie.

7 Flash 1 / drive / safely / Flash 2.

8 Redbot / clean / fast / Blackbot.

9 Birdie / fly / far / Chicko.

10 Ziggy / dance / beautifully / Buster.



Answer key



- Pronunciation ____/10 pts.
- Vocabulary ____/20 pts.
- Grammar ____/20 pts.

- Listening ____/20 pts.
- Speaking ____/10 pts.
- Writing ____/20 pts.

★★★★★
Total ____ / 100 pts.