UNIT 5
Lesson 2

Science and Technology

LESSON SUMMARY

Vocabulary

Word/Phrase	Meaning	Example
rescue (n) /ˈreskjuː/ → 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) /kəmˈpliːt/ → complete (adj) → incomplete (adj)	to finish doing something	Sarah needs to **complete** her essay about technology.
navigate (v) /ˈnævɪɡeɪt/ → navigation (n)	to find your way through a difficult situation	Robots can **navigate** through narrow places.
carefully (adv) /ˈkerfəli/ → 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) /ˈkwaɪətli/ → quiet (adj)	in a way that makes very little noise	My robot vacuum is very noisy. It can't move **quietly**.
recognize (v) /ˈrekəɡnaɪz/ → 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) /ˈseɪfli/ → 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 much / many → more	badly → worse little → less far → farther early → earlier

LIVEWORKSHEETS

Pronunciation

- **Stress in words ending in** *-er*

Stress the first syllable for words ending in *-er*.

• faster /ˈfæstər/ • better /ˈbetər/ • darker /ˈdɑːrkər/ • harder /ˈhɑːrdər/

- **Stress in three-syllable words ending in** *-ly*

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

• happy /ˈhæpəli/ • angrily /ˈæŋgrəli/ • quietly /ˈkwaɪətli/ • easily /ˈizəli/

BUT • entirely /ɪnˈtaɪrli/

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 heathily	D entirely

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

3	A deaf	B health	C head	D leaf
4	A taste	B waste	C race	D any
5	A pay	B land	C take	D make

Vocabulary

a. Circle the correct options.

1 My robot cleaner is annoying. It can't work **loudly** / **quietly** and is always making noise.
2 I think the *OP 12* is better for being a **rescuer** / **cleaner**. It navigates better and works more carefully.
3 Our robot can **complete** / **lift** heavy objects of around 300 kg.
4 Sarah loves her robot because it can **recognize** / **navigate** her voice and does what she says.
5 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)

LIVEWORKSHEETS

Grammar

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

Robots / Abilities	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

1 *GS34* runs _____ (**fast**) than *Zipo*.
2 *Zipo* jumps _____ (**high**) than *GS34*.
3 *GS34* completes tasks _____ (**carelessly**) than Zipo.
4 *Zipo* navigates _____ (**well**) than *GS34*.
5 *Zipo*'s battery lasts _____ (**short**) than *GS 34*'s.

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

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

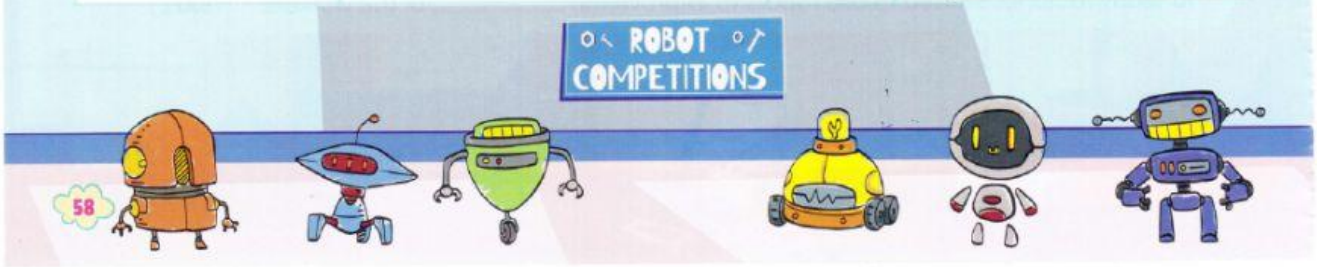
Listening

a. Listen to a report about a robot competition. Write T (true) or F (false). CD2 05

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

b. Listen again. Fill in each gap with NO MORE THAN TWO WORDS. CD2 05

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



LIVEWORKSHEETS

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

1 _____ (well)

2 _____ (fast)

3 _____ (far)

4 _____ (quietly)

5 _____ (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.

LIVEWORKSHEETS