

ST. JOSEPH
SCHOOLS
ZARQA



**UNIT 8:
SMART FUTURE**

8TH GRADE

Worksheet (Vocabulary)

3D printer	طابعة ثلاثية الابعاد	Virtual reality headset	نظارة الواقع الافتراضي
Analyse	يحلل	Wireless headphones	سماعات لاسلكية
Automatically	تلقائيا	Attach a file	يرفق ملفا
Charger	شاحن	Charge	يشحن
Checkout	الدفع/ انتهاء الشراء	Computer equipment	معدات الكمبيوتر
Coin	عملة معدنية	Copy some text	ينسخ نص /ملف
Drone	طائرة بدون طيار	Delete a file/an email	يحذف ملفا/ بريد
Electric car	سيارة كهربائية	Desktop computer	جهاز كمبيوتر مكتبي
Gadget	جهاز / اداة الكترونية	Download an app	ينزل تطبيقا
Health tracker	جهاز تتبع	Hard disk	قرص صلب
Petrol car	سيارة تعمل بالبنزين	Install an app	يثبت تطبيق
Robot	رجل الي	Laptop battery	بطارية اللابتوب
Scientist	عالم	Pc	حاسوب شخصي
Smartphone	هاتف ذكي	Print	يطبع
Smartwatch	ساعة ذكية	Save a document	يحفظ مستند
Tablet	جهاز لوحي	Scan	يمسح ضوئيا
Scanner	ماسح ضوئي	Switch off	يطفى
Screen	شاشة	Turn up	يرفع الصوت
Speaker	سماعة	Type	يكتب على لوحة المفاتيح
USB cable	كيبيل	Wireless keyboard/mouse	لوحة مفاتيح/فأرة لاسلكية

Badly	بشكل سيء	Happily	بسعادة
Confidently	بثقة	Key ring	ميدالية مفتاح
Dangerously	بشكل خطير	Lose	يخسر/يضيع
Do well in an exam	ينجح/يؤدي جيدا في الامتحان	Perfectly	بشكل مثالي
Press a button	يضغط زرا	Tracker	جهاز تتبع
Safely	بأمان	Urgently	بشكل عاجل
Broken	مكسور	Develop	يطور
Discover	يكشف	Swap	يبادل/يستبدل
Experiment with sth	يجرب شيئا	Invent	يخترع
Produce	ينتج	Test	يختبر
Internet access	الوصول الى الانترنت	Make life easier	يجعل الحياة أسهل
Personal robot	روبوت	Start an app	يشغل تطبيقا
Turn the lights on/of	يشغل/يطفى الاضواء	Breathing	تنفس
Face-to-face /in person	وجها لوجه/شخصيا يتواصل عبر الانترنت	Communicate online	يتواصل عبر الانترنت
Computer scientist	عالم الحاسوب	Heart	قلب
Human brain	الدماغ البشري	Fitness tracker	جهاز تتبع اللياقة البدنية
Possession	شيء يملكه الشخص	Reward	مكافأة

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Grammar 1

Future simple

***Function:** We use the future simple to make predictions based on our opinions, feelings or experiences.

Example: I think in the future people **will work** from home.

***Time expressions we use with will:** (in the future, in two months /years , next month / year By 2030/ March , I think , I'm sure, I don't think)

Form: Subject+ will + v.1 +com.....

*They will travel to Spain next month.

Negative form:

Subject + will not / won't + v.1 +com.....

We won't buy things in shops .We will buy everything online.

Question form:

Will + subject +V.1+ Object+com.....?

Wh-question +will + subject + v.1+com....?



Note:

Note: **When we talk about ability in the future we use be able to, not can:**

Present: Drones **can** take aerial pictures.

Future: Drones **will be able to** deliver things to us in less than half an hour.

Grammar 2

ADVERBS OF MANNER

Affirmative

slow - quickly
loud - loudly
careful - carefully
hopeful - hopefully
healthy - healthily
easy - easily

Describes a verb, tells how something happens

He ate his sandwich quickly.

Negative

good - well
fast - fast
hard - hard

Often put adverbs at the end of a sentence:
She can bake well.
He doesn't drive very carefully.

Forming adverbs

To form an adverb, we add -ly to most adjectives:

- quick - quickly
- careful - carefully

Ending in -y

For adjectives ending in -y we change y to i and add -ly:

- happy - happily
- angry - angrily

Irregular Adjectives

-good (well), fast (fast) hard (hard)

For irregular adverbs: good (well), fast (fast) and hard (hard), are irregular.

***Complete the sentences using the correct adverb:**

1-He drives very _____ (careful).

2-The students listened _____ (quiet).

3-She answered the question _____ (confident).

4-My dad works _____ (hard).

5-The teacher explained the lesson _____ (clear).

Reading comprehension:

Will computers become as intelligent as the human brain one day? In some ways, they are already smarter than us. They can solve problems quickly and without making mistakes. And they don't need to eat or sleep, of course. But the human brain has other abilities that we can't give computers – at least, not yet! For instance, humans are creative. They can write original stories and even invent new technology. Humans can also feel and recognise emotions. We know, for example, when another person is in a good or bad mood. And this ability is very important in interaction with other people. Now scientists are studying how computers can read human emotions. A US company is developing software that uses cameras to look at human faces. The company collected over six million videos of people from seventy-five different countries to use in their software. However, it isn't always possible to identify someone's emotion from their face. That's why researchers at a US university developed a computer that can hear your heart and your breathing wirelessly. They say that eighty-seven percent of the time their machine understands our emotions correctly. One robotics company already produces and sells a robot that can recognise human emotions. It analyses both your face and the sound of your voice. It knows when you are happy, surprised or amazed and tries to help when you are sad, worried or angry. One robotics company already produces and sells a robot that can recognise human emotions. It analyses both your face and the sound of your voice. It knows when you are happy, surprised or amazed and tries to help when you are sad, worried or angry. The robot can also show its own emotions. For example, it looks happy when it sees you in the morning. It even gets scared in the dark! But are we ready for a robot like this in our daily lives? It seems some people are. The company sold the first 1,000 robots in just a few minutes. What about the future? How will computers that understand our emotions be useful? One interesting idea is to use them in online education. Computers will soon be able to recognise when students are finding a subject too easy or too difficult, or even when they're bored. They can use this information to change the activities students do – to help them learn. And when will all this happen? Some computer scientists believe that within fifteen years computers will understand our emotions perfectly. Can you imagine that? Your smartphone will know more about your feelings than your best friend!

هل ستصبح أجهزة الكمبيوتر ذكية بقدر ذكاء الدماغ البشري يوماً ما؟ في بعض الجوانب، هي بالفعل أذكى منا. فهي تستطيع حلّ المشكلات بسرعة ومن دون ارتكاب أخطاء، وبالطبع لا تحتاج إلى الأكل أو النوم. لكن الدماغ البشري يمتلك قدرات أخرى لا نستطيع أن نمناها لأجهزة الكمبيوتر — على الأقل ليس بعد! فعلى سبيل المثال، البشر مبدعون؛ يمكنهم كتابة قصص أصلية وحتى اختراع تكنولوجيا جديدة. كما يستطيع البشر الشعور بالعواطف والتعرّف عليها. فنحن نعرف، على سبيل المثال، متى يكون شخصٌ ما في مزاج جيد أو سيئ. وهذه القدرة مهمة جداً في التفاعل مع الآخرين.

حالياً، يدرس العلماء كيفية تمكّن أجهزة الكمبيوتر من قراءة المشاعر البشرية. تقوم شركة أمريكية بتطوير برنامج يستخدم الكاميرات للنظر إلى وجوه البشر. وقد جمعت الشركة أكثر من ستة ملايين مقطع فيديو لأشخاص من خمس وسبعين دولة مختلفة لاستخدامها في برنامجها. ومع ذلك، ليس من الممكن دائماً التعرّف على مشاعر الشخص من خلال وجهه فقط. لهذا السبب، طوّر باحثون في إحدى الجامعات الأمريكية جهاز كمبيوتر يستطيع سماع دقات قلبك وتنفسك لاسلكياً. ويقولون إن جهازهم يفهم مشاعرنا بشكل صحيح في 87٪ من الوقت.

كما تنتج إحدى شركات الروبوتات بالفعل وتبيع روبوتاً يمكنه التعرّف على المشاعر البشرية. فهو يحلل كلاً من تعابير وجهك ونبرة صوتك. ويعرف متى تكون سعيداً أو متفاجئاً أو مندهشاً، ويحاول المساعدة عندما تكون حزينا أو قلقاً أو غاضباً. ويمكن للروبوت أيضاً إظهار مشاعره الخاصة. فعلى سبيل المثال، يبدو سعيداً عندما يراك في الصباح، بل ويشعر بالخوف في الظلام! ولكن هل نحن مستعدون لوجود روبوت كهذا في حياتنا اليومية؟ يبدو أن بعض الناس كذلك، فقد باعت الشركة أول ألف روبوت خلال بضعة دقائق فقط.

1-Are computers already smarter than humans in some ways?

2-What abilities does the human brain have that computers do not have yet?

3-Why is the ability to recognise emotions important for humans?

4-How does the report recognise human emotions?

5-When do some computer scientists believe computers will understand emotions perfectly?

Important Vocabulary (English–English)

- 1 **intelligent:** able to learn, understand, and think clearly
- 2 **solve:** to find an answer to a problem
- 3 **creative:** able to produce new and original ideas
- 4 **invent:** to create something new for the first time
- 5 **recognise:** to know or identify something when you see or hear it
- 6 **emotions:** feelings such as happiness, sadness, or anger
- 7 **interaction:** communication or activity between people
- 8 **software:** computer programs used to perform tasks
- 9 **identify:** to discover or show who or what someone is
- 10 **wirelessly:** without using wires or cables
- 11 **analyse:** to examine something carefully to understand it
- 12 **respond:** to react or reply to something
- 13 **useful:** helpful or practical
- 14 **education:** the process of teaching and learning
- 15 **recognise:** to know or understand something again
- 14 **education:** the process of teaching and learning
- 15 **recognise:** to know or understand something again (by seeing, hearing, or feeling it)