
Morning Reading

Grade 10 · Week 2

Read each word aloud, then copy the English word three times.

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Reading

Read the passage aloud twice.

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Li Wei cycles to school every morning. When the road is empty, his **speed** is high. When he sees the school gate, he slows down. This is called **deceleration**. At the gate he stops and waits for his friend, so he is **at rest**. If you draw his journey on a **distance–time graph**, the **gradient** of the line shows his speed.

Before school, his mother boils water for tea. **Boiling** turns the liquid into gas. Some water is also **evaporating** slowly from the wet cups by the window. On the cold glass, the steam is **condensing** back into water drops.

His aunt is an **entrepreneur**. She opened a small noodle shop this year. She needed **land** for the shop, **labour** to cook and serve, and **capital** such as pots and tables. Her reward is **profit**. Every choice has an **opportunity cost**: the money she spent on tables cannot buy a new sign.

Talk about it :

1. Describe your journey to school using the words speed, acceleration, and at rest.
2. If you started a small shop, what land, labour, and capital would you need?

Physics

Topics 1–3 · Motion, forces and energy, Thermal physics, Waves

⊙ **scalar quantity**

/ˈskeɪlə ˈkwɒntəti/

→ **vector quantity**

/ˈvektə ˈkwɒntəti/

⚡ **electric field strength**

/ɪˈlektrɪk fiːld streŋθ/

	uniform /'ju:nifo:m/			
	circular motion /'sɜ:kjələ 'məʊn/			
	radius /'reɪdiəs/			
	stability /stə'bɪləti/			
	renewability /rɪnju:ə'bɪləti/			
	availability /ə'veɪlə'bɪləti/			
	reliability /rɪ,laiə'bɪləti/			
	scale /skeɪl/			
	environmental impact /en,vairən'mentl 'impækt/			
	lattice /'lætɪs/			
	thermometer /θɜ:'mɒmɪtə/			
	insulating material /'ɪnsju:leɪtɪŋ mə'tɪəriəl/			
	potassium permanganate /pə'tæsiəm pə'mæŋɡənɛt/			
	Leslie cube /'lesli kju:b/			
	atmosphere /æt'məsfiə/			
	radiator /'reɪdiəɪtə/			

 **vacuum flask**
/ˈvækju:m flæsk/

 **peak**
/pi:k/

 **ray box**
/rei bɒks/

 **principal axis**
/ˈprɪnsɪpl ˈæksɪs/

Chemistry

Topics 1–2 · States of matter, Atoms, elements and compounds

 **melting**
/ˈmeltɪŋ/

 **melting point**
/ˈmeltɪŋ poɪnt/

 **boiling point**
/ˈboɪlɪŋ poɪnt/

 **boiling**
/ˈboɪlɪŋ/

 **freezing**
/ˈfri:zɪŋ/

 **evaporating**
/ɪˈvæpəreɪtɪŋ/

 **condensing**
/kənˈdensɪŋ/

 **sublimation**
/ˌsʌblɪˈmeɪʃn/

 **heating curve**
/ˈhi:tɪŋ kɜ:v/

 **cooling curve**
/ˈku:lɪŋ kɜ:v/

 **collide**
/kəˈlaɪd/

 diffusion /dɪ'fjuːʒn/			
 concentration /ˌkɒnsən'treɪʃn/			
 rate /reɪt/			
 pressure /'preʃə/			
 ammonia /æ'məʊniə/			
 hydrogen chloride /'haɪdrədʒn 'klɔːraɪd/			
 ammonium chloride /æ'məʊniəm 'klɔːraɪd/			
 compound /'kɒmpaʊnd/			
 ionic compound /aɪ'ɒnɪk 'kɒmpaʊnd/			
 ionic bond /aɪ'ɒnɪk bɒnd/			
 covalent bond /'kəʊvələnt bɒnd/			

Biology

Topic 1 · Characteristics and classification of living organisms

 yeast /jiːst/			
 prokaryote /'prɒkəriət/			
 bacteria /bæk'tɪəriə/			

○ **single-celled**

/ˈsɪŋɡl səld/

◎ **nucleus**

/ˈnjuːklɪəs/

⊗ **protocist**

/ˈprəʊtəʊkɪst/

≡ **algae**

/ˈælgɪː/

⌘ **vertebrates**

/ˈvɜːtɪbreɪts/

⌘ **backbone**

/ˈbækbəʊn/

⌘ **mammals**

/ˈmæmlz/

⌘ **fur**

/fɜː/

⌘ **birds**

/bɜːdz/

⌘ **feathers**

/ˈfeðəz/

△ **beak**

/biːk/

⌘ **reptiles**

/ˈreptɪlz/

⌘ **scales**

/skeɪlz/

⌘ **amphibians**

/æmˈfɪbiənz/

⌘ **fish**

/fɪʃ/

⌘ **fins**

/fɪnz/

≡ **gills**

/gɪlz/

 **arthropods**
/'ɑ:θrəpɒdz/

 **exoskeleton**
/'eksəʊskelɪtn/

 **joints**
/dʒɔɪnts/

 **insects**
/'ɪnsektz/

 **antennae**
/æn'teni:/

 **arachnids**
/ə'ræknɪdz/

 **crustaceans**
/kra'steɪʃnz/

 **myriapods**
/'maɪrɪəpɒdz/

 **segments**
/'segmənts/

 **ferns**
/fɜ:nz/

 **spores**
/'spɔ:z/

 **flowering plants**
/'flaʊərɪŋ plænts/

 **seeds**
/si:dz/

 **cotyledons**
/ˌkɒtɪ'li:dnz/

 **monocotyledons**
/ˌmɒnəʊˌkɒtɪ'li:dnz/

 **leaf veins**
/li:f veɪnz/

 **dicotyledons**
/ˌdɪkɒtɪ'li:dnz/

Mathematics

Topic 1 · Number

↓ **lowest common multiple**

/ˈləʊɪst ˈkɒmən ˈmʌltɪpl/

{ } **set**

/set/

• **element**

/ˈelɪmənt/

□ **universal set**

/juːnɪˈvɜːsl set/

⊗ **complement**

/ˈkɒmplɪmənt/

∅ **empty set**

/ˈempti set/

⊆ **subset**

/ˈsʌbset/

∪ **union**

/ˈjuːniən/

∩ **intersection**

/ˌɪntəˈsekʃn/

⊙ **Venn diagram**

/ven ˈdaɪəgræm/

⊂ **power**

/ˈpaʊə/

index

/ˈɪndeks/

√ **square root**

/ˈskweə ruːt/

∛ **cube root**

/kjuːb ruːt/

×₂ **base**

/beɪs/

→ **standard form**

/ˈstændəd fɔ:m/

√ **surd**

/sɜ:d/

Computer Science

Topics 1–2 · Data representation, Data transmission

T **character set**

/ˈkærɪktə set/

😊 **emoji**

/iˈməʊdʒi/

💾 **storage**

/ˈstɔːrɪdʒ/

🎵 **sound wave**

/saʊnd weɪv/

📶 **sampling**

/ˈsæmplɪŋ/

🕒 **sample rate**

/ˈsæmpl reɪt/

📏 **sample resolution**

/ˈsæmpl ,rezəˈluːʃn/

↕ **amplitude**

/ˈæmplitjuːd/

□ **pixel**

/ˈpɪksl/

📐 **resolution**

/ˌrezəˈluːʃn/

👁️ **colour depth**

/ˈkʌlə depθ/

✂️ **compression**

/kəmˈpreʃn/

 **bandwidth**

/ˈbændwɪðθ/

 **transmission**

/trænˈsmɪʃn/

 **lossless**

/ˈlɒsləs/

 **run-length encoding**

/rʌn leŋθ enˈkɒdɪŋ/

 **lossy**

/ˈlɒsi/

 **data transmission**

/ˈdeɪtə trænˈsmɪʃn/

 **packets**

/ˈpækɪts/

 **packet header**

/ˈpækɪt ˈhedə/

Economics

Topic 1 · The basic economic problem

 **free goods**

/friː ɡʊdz/

 **factors of production**

/ˈfæktəz ɒv prəˈdʌkʃn/

 **land**

/lənd/

 **labour**

/ˈleɪbə/

 **capital**

/ˈkæpɪtl/

 **enterprise**

/ˈentəpraɪz/

 entrepreneur /ˌɒntrɪprəʊˈnjuː/			
 reward /rɪˈwɔːd/			
 rent /rent/			
 wages /ˈweɪdʒɪz/			
 interest /ˈɪntrest/			
 profit /ˈprɒfɪt/			
 mobility /məʊˈbɪlɪti/			
 alternative /ɔːlˈtɜːnətɪv/			
 production possibility curve /prəˈdʌkʃn ˌpɒsəˈbɪlɪti kɜːv/			

English

Topic 1 · Reading skills

 paraphrase /ˈpærəfreɪz/			
 signal words /ˈsɪɡnəl wɜːdz/			
 addition /əˈdɪʃn/			
 contrast /ˈkɒntræst/			
 cause and effect /kɔːz ænd ɪˈfekt/			
 note-making /nəʊt ˈmeɪkɪŋ/			

 summary
/ˈsʌməri/
