

Morning Reading 晨读

Grade 10 · Week 2

Read each word aloud, then copy the English word three times. 朗读每个单词，然后把英语单词抄写三遍。

Reading 阅读

Read the passage aloud twice. 把短文朗读两遍。

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 说一说:

- Describe your journey to school using the words speed, acceleration, and at rest.
- 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** 标量

/ˈskeɪlə ˈkwɒntənti/

→ **vector quantity** 矢量

/ˈvektə ˈkwɒntənti/

⚡ **electric field strength** 电场强度

/ɪˈlektrɪk fiːld streŋθ/

▦ **uniform** 均匀

/ˈjuːnɪfɔːm/

↻ **circular motion** 圆周运动

/ˈsɜːkjələ ˈmaʊn/

○ **radius** 半径

/ˈreɪdiəs/

△ **stability** 稳定性

/stəˈbɪlɪti/

♻️ **renewability** 可再生性

/rɪˌnjuːəˈbɪlɪti/

🆕 **availability** 可用性

/əˌveɪləˈbɪlɪti/

🛡️ **reliability** 可靠性

/rɪˌlaɪəˈbɪlɪti/

📏 **scale** 规模

/skeɪl/

🌿 **environmental impact** 环境影响

/enˌvaɪrənˈmentl ɪmˈpækt/

🧱 **lattice** 晶格

/ˈlætɪs/

🌡️ **thermometer** 温度计

/θɜːˈmɒmɪtə/

🧥 **insulating material** 隔热材料

/ɪnsjuːleɪtɪŋ məˈtɪəriəl/

⚗️ **potassium permanganate** 高锰酸钾

/pəˈtæsiəm pəˈmæŋɡeɪnɪt/

📦 **Leslie cube** 莱斯利立方体

/ˈlesli kjuːb/

☁️ **atmosphere** 大气

/ˈætməsfɪə/

💧 **radiator** 散热器

/ˈreɪdɪeɪtə/

 vacuum flask 保温瓶			
/ˈvækjuːm flæsk/			
 peak 峰			
/piːk/			
 ray box 光线盒			
/rei bɒks/			
 principal axis 主光轴			
/ˈprɪnsɪpl əˈksɪs/			

Chemistry

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

 melting 融化			
/ˈmeltɪŋ/			
 melting point 熔点			
/ˈmeltɪŋ poɪnt/			
 boiling point 沸点			
/ˈboɪlɪŋ poɪnt/			
 boiling 沸腾			
/ˈboɪlɪŋ/			
 freezing 凝固			
/ˈfriːzɪŋ/			
 evaporating 蒸发			
/ɪˈvæpəreɪtɪŋ/			
 condensing 凝结			
/kənˈdensɪŋ/			
 sublimation 升华			
/ˌsʌblɪˈmeɪʃn/			
 heating curve 加热曲线			
/ˈhiːtɪŋ kɜːv/			
 cooling curve 冷却曲线			
/ˈkuːlɪŋ kɜːv/			
 collide 碰撞			
/kəˈlaɪd/			

 diffusion 扩散			
/dɪˈfjuːʒn/			
 concentration 浓度			
/ˌkɒnsənˈtreɪʃn/			
 rate 速率			
/reɪt/			
 pressure 压强			
/ˈpreʃə/			
 ammonia 氨气			
/əˈməʊniə/			
 hydrogen chloride 氯化氢			
/ˈhaɪdrədʒn ˈkloʊraɪd/			
 ammonium chloride 氯化铵			
/əˈməʊniəm ˈkloʊraɪd/			
 compound 化合物			
/ˈkɒmpaʊnd/			
 ionic compound 离子化合物			
/aɪˈɒnɪk ˈkɒmpaʊnd/			
 ionic bond 离子键			
/aɪˈɒnɪk bɒnd/			
 covalent bond 共价键			
/ˈkəʊələnt bɒnd/			

Biology

Topic 1 · Characteristics and classification of living organisms

 yeast 酵母			
/jiːst/			
 prokaryote 原核生物			
/ˈprɒkəriəʊt/			
 bacteria 细菌			
/bækˈtɪəriə/			

○	single-celled 单细胞			
	/ˈsɪŋɡl səld/			
◎	nucleus 细胞核			
	/ˈnjuːkliəs/			
🔗	protocist 原生生物			
	/ˈprəʊtəʊktɪst/			
≈	algae 藻类			
	/ˈælgɪ:/			
🐍	vertebrates 脊椎动物			
	/ˈvɜːtɪbreɪts/			
🦴	backbone 脊柱			
	/ˈbækbəʊn/			
🐾	mammals 哺乳动物			
	/ˈmæmɪlz/			
🐾	fur 毛发			
	/fɜː/			
🐦	birds 鸟类			
	/bɜːdɪz/			
🦄	feathers 羽毛			
	/ˈfeðəz/			
△	beak 喙			
	/biːk/			
🐸	reptiles 爬行动物			
	/ˈreptəɪlɪz/			
🐟	scales 鳞片			
	/skeɪlɪz/			
🐸	amphibians 两栖动物			
	/æmˈfɪbiənz/			
🐟	fish 鱼类			
	/fɪʃ/			
🐟	fins 鳍			
	/fɪnz/			
≡	gills 鳃			
	/ɡɪlz/			

🦋	arthropods 节肢动物			
	/ˈɑːθrəpɒdɪz/			
🦎	exoskeleton 外骨骼			
	/ˈeksəʊskelɪtn/			
🔗	joints 关节			
	/dʒɔɪnts/			
🦋	insects 昆虫			
	/ˈɪnsektɪz/			
🦋	antennae 触角			
	/ˈænteniː/			
🦋	arachnids 蛛形类			
	/əˈræknɪdɪz/			
◎	crustaceans 甲壳类			
	/kraʻsteɪʃnɪz/			
🦋	myriapods 多足类			
	/ˈmaɪriəpɒdɪz/			
⋮	segments 体节			
	/ˈseɡmənts/			
🦄	ferns 蕨类植物			
	/fɜːnz/			
☉	spores 孢子			
	/spɔːz/			
🌸	flowering plants 开花植物			
	/ˈflaʊərɪŋ plænts/			
🌱	seeds 种子			
	/siːdɪz/			
🌱	cotyledons 子叶			
	/ˌkɒtɪˈliːdnɪz/			
🌱	monocotyledons 单子叶植物			
	/ˌmɒnəʊˌkɒtɪˈliːdnɪz/			
🌿	leaf veins 叶脉			
	/liːf veɪnz/			
🌱	dicotyledons 双子叶植物			
	/ˌdɪkətiˈliːdnɪz/			

Mathematics

Topic 1 · Number

 lowest common multiple 最小公倍数			
<i>/ˈləʊəst ˈkɒmən ˈmʌltɪpl/</i>			
{ } set 集合			
<i>/set/</i>			
• element 元素			
<i>/ˈelɪmənt/</i>			
 universal set 全集			
<i>/juːnɪˈvɜːsl set/</i>			
 complement 补集			
<i>/ˈkɒmplɪmənt/</i>			
 empty set 空集			
<i>/ˈempti set/</i>			
 subset 子集			
<i>/ˈsʌbset/</i>			
 union 并集			
<i>/ˈjuːniən/</i>			
 intersection 交集			
<i>/ˌɪntəˈsekʃn/</i>			
 Venn diagram 维恩图			
<i>/ven ˈdaɪəgræm/</i>			
 power 幂			
<i>/ˈpaʊə/</i>			
# index 指数			
<i>/ˈɪndeks/</i>			
 square root 平方根			
<i>/ˈskweə rʊt/</i>			
 cube root 立方根			
<i>/ˈkjuːb rʊt/</i>			
×₂ base 底数			
<i>/beɪs/</i>			

→ standard form 科学记数法			
<i>/ˈstændəd fɔːm/</i>			
 surd 根式			
<i>/sɜːd/</i>			

Computer Science

Topics 1–2 · Data representation, Data transmission

T character set 字符集			
<i>/ˈkærɪktə set/</i>			
 emoji 表情符号			
<i>/ɪˈməʊdʒi/</i>			
 storage 存储			
<i>/ˈstɔːrɪdʒ/</i>			
 sound wave 声波			
<i>/saʊnd weɪv/</i>			
 sampling 采样			
<i>/ˈsæmplɪŋ/</i>			
 sample rate 采样率			
<i>/ˈsæmpl reɪt/</i>			
 sample resolution 采样分辨率			
<i>/ˈsæmpl ˌreʒəˈluːʃn/</i>			
 amplitude 振幅			
<i>/ˈæmplɪtjuːd/</i>			
 pixel 像素			
<i>/ˈpɪksl/</i>			
 resolution 分辨率			
<i>/ˌreʒəˈluːʃn/</i>			
 colour depth 颜色深度			
<i>/ˈkʌlə depθ/</i>			
 compression 压缩			
<i>/kəmˈpreʃn/</i>			

 bandwidth 带宽			
<i>/ˈbændwɪdθ/</i>			
 transmission 传输			
<i>/trænˈsmɪʃn/</i>			
 lossless 无损			
<i>/ˈlɒsləs/</i>			
 run-length encoding 行程编码			
<i>/rʌn leŋθ enˈkaʊdɪŋ/</i>			
 lossy 有损			
<i>/ˈlɒsi/</i>			
 data transmission 数据传输			
<i>/ˈdeɪtə trænˈsmɪʃn/</i>			
 packets 数据包			
<i>/ˈpækɪts/</i>			
 packet header 包头			
<i>/ˈpækɪt ˈhedə/</i>			

Economics

Topic 1 · The basic economic problem

 free goods 免费物品			
<i>/friː ɡɒdz/</i>			
 factors of production 生产要素			
<i>/ˈfæktəz ɒv prəˈdʌkʃn/</i>			
 land 土地			
<i>/lənd/</i>			
 labour 劳动			
<i>/ˈleɪbə/</i>			
 capital 资本			
<i>/ˈkæpɪtl/</i>			
 enterprise 企业家才能			
<i>/ˈentəpraɪz/</i>			

 entrepreneur 企业家			
<i>/ˌɒntrɪprəʊˈnjuːə/</i>			
 reward 报酬			
<i>/rɪˈwɔːd/</i>			
 rent 地租			
<i>/rent/</i>			
 wages 工资			
<i>/ˈweɪdʒɪz/</i>			
 interest 利息			
<i>/ˈɪntrest/</i>			
 profit 利润			
<i>/ˈprɒfɪt/</i>			
 mobility 流动性			
<i>/məʊˈbɪlɪti/</i>			
 alternative 替代选择			
<i>/ɔːlˈtɜːnətɪv/</i>			
 production possibility curve 生产可能性曲线			
<i>/prəˈdʌkʃn ˌpɒsəˈbɪlɪti kɜːv/</i>			

English

Topic 1 · Reading skills

 paraphrase 改写			
<i>/ˈpærəfreɪz/</i>			
 signal words 信号词			
<i>/ˈsɪɡnl wɜːdz/</i>			
 addition 递进			
<i>/əˈdɪʃn/</i>			
 contrast 对比			
<i>/ˈkɒntræst/</i>			
 cause and effect 因果			
<i>/kɔːz ænd ɪˈfekt/</i>			
 note-making 做笔记			
<i>/nəʊt ˈmeɪkɪŋ/</i>			

