
Morning Reading 晨读

Grade 10 · Week 10

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。

A message says you have won a phone: just click the link and enter your password. Stop! This is **phishing**, a trick to steal your details. Criminals also use **malware**, harmful software such as a **virus**, or try a **brute force attack**, testing thousands of passwords until one works. Some do not attack computers at all; they trick people. That is **social engineering**. Good **cyber security** habits, such as strong passwords and careful clicking, protect you.

Why are factories so fast? Because of the **division of labour**. Each worker repeats one small job and becomes an expert at it. This **specialisation** raises **productivity**: more is made in the same time. Big factories also enjoy **economies of scale**, so each item costs less to make.

In physics you built an **electromagnet** this week: a coil of wire around soft iron. Switch on the current and it becomes a magnet; switch off and the magnetism is gone.

Talk about it 说一说:

1. A stranger's email asks for your password. What do you do, and why?
2. Making dumplings with your class: how would you divide the labour?

Physics

Topic 4 · Electricity and magnetism

 **magnetic field** 磁场

 **magnetic field lines** 磁场线

 **electric field** 电场

 **electric current** 电流

→ **conventional current** 常规电流

— **direct current** 直流电

~ **alternating current** 交流电

⊕ **electric charge** 电荷

⊕ **positive charge** 正电荷

⊖ **negative charge** 负电荷

• **point charge** 点电荷

↔ **repel** 排斥

↻ **attract** 吸引

⚡ **induced magnetism** 感应磁性

↻ **soft iron** 软铁

⋮ **iron filings** 铁屑

⊙ **soft-iron core** 软铁芯

↻ **magnetise** 磁化

⬠ **steel** 钢

⊘ **unmagnetised** 未磁化

□ **region** 区域

⊙ **compass** 指南针

↻ **electromagnet** 电磁铁

Chemistry

Topic 7 · Acids, bases and salts

☁ carbon dioxide 二氧化碳

🧪 indicator 指示剂

🌐 universal indicator 通用指示剂

☐ litmus 石蕊

🧪 thymolphthalein 百里酚酞

🧪 methyl orange 甲基橙

⊗ oxides 氧化物

💧 hydroxides 氢氧化物

🧪 alkali 可溶性碱

🧪 base 碱

⋮ ammonium salts 铵盐

↕ dissociated 电离

🧪 acidic 酸性

— neutral 中性

🧪 alkaline 碱性

↔ amphoteric 两性

💧 soluble 可溶

🚫 insoluble 不溶

⊗ nitrates 硝酸盐

⬡ chlorides 氯化物

⊗ sulfates 硫酸盐

+ excess 过量

Biology

Topics 10–11 · Diseases and immunity, Gas exchange in humans

☹ disease 疾病

🦠 transmissible disease 传染病

🦠 transmitted 传播

👉 direct contact 直接接触

💧 body fluids 体液

☣ contaminated 污染

🛡 defences 防御

🧪 stomach acid 胃酸

🧼 hygienic 卫生

🚰 sewage treatment 污水处理

🚩 antigens 抗原

🛡 active immunity 主动免疫

💉 vaccination 疫苗接种

🧠 memory cells 记忆细胞

🛡 passive immunity 被动免疫

👶 placenta 胎盘

💧 breast milk 母乳

👶 breast-feeding 母乳喂养

 infants 婴儿			
 cholera 霍乱			
 toxin 毒素			
$\pm$ chloride ions 氯离子			
 diarrhoea 腹泻			
 dehydration 脱水			
 ventilation 通气			
 larynx 喉			
 bronchioles 细支气管			
 alveoli 肺泡			
 ribs 肋骨			
$-$ diaphragm 膈肌			
 intercostal muscles 肋间肌			
 cartilage 软骨			
 thorax 胸腔			
$\downarrow$ inhaling 吸气			
$\uparrow$ exhaling 呼气			
 limewater 石灰水			
 brain 大脑			

Mathematics

Topic 4 · Geometry

 **corresponding angles** 同位角

 **alternate angles** 内错角

 **co-interior angles** 同旁内角

 **supplementary** 互补

 **triangle** 三角形

 **equilateral** 等边

 **isosceles** 等腰

 **scalene** 不等边

 **quadrilateral** 四边形

 **square** 正方形

 **rectangle** 矩形

 **parallelogram** 平行四边形

 **rhombus** 菱形

 **kite** 鸢形

 **trapezium** 梯形

 **polygon** 多边形

Computer Science

Topic 5 · The internet and its uses

 **malware** 恶意软件

 **pharming** 域名欺骗

 phishing 网络钓鱼			
 social engineering 社会工程			
 virus 病毒			
 worm 蠕虫			
 Trojan horse 特洛伊木马			
 spyware 间谍软件			
 adware 广告软件			
 ransomware 勒索软件			
 access levels 访问权限			
 anti-malware 反恶意软件			
 anti-virus 杀毒软件			
 anti-spyware 反间谍软件			
 authentication 身份验证			
 biometrics 生物识别			
 password 密码			
 two-step verification 两步验证			
 firewall 防火墙			
 privacy settings 隐私设置			

Economics

Topic 3 · Microeconomic decision-makers

 merger 合并			
 horizontal merger 横向合并			

↕ vertical merger 纵向合并

⊞ conglomerate merger 混合合并

↘ business failure 企业倒闭

👤 labour-intensive 劳动密集型

🏢 capital-intensive 资本密集型

🔄 productivity 生产率

↘ economies of scale 规模经济

↗ diseconomies of scale 规模不经济

💰 cost 成本

🔒 fixed costs 固定成本

📊 variable costs 可变成本

💰 total cost 总成本

English

Topics 5-6 · Writing a report, Writing an article

H headings 小标题

🗨️ opinion 观点

👍 recommendations 建议

🚩 conclusion 结论

📄 article 文章

📢 informs 告知

🎭 entertains 娱乐