
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

± ion 离子			
⚡ ampere 安培			
🔌 ammeter 电流表			
📡 free electrons 自由电子			

 mains supply 市电			
 power supply 电源			
 electrical power 电功率			
 electrical energy 电能			
 volt 伏特			
 electromotive force 电动势			
 circuit 电路			
 potential difference 电势差			
 potential divider 分压器			
 voltmeter 电压表			
 resistance 电阻			
 total resistance 总电阻			
 ohm 欧姆			
 directly proportional 成正比			
 inversely proportional 成反比			
 cross-sectional area 横截面积			

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			
 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			
 inhaling 吸气			
 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

 headings 小标题			
 opinion 观点			
 recommendations 建议			
 conclusion 结论			
 article 文章			
 informs 告知			
 entertains 娱乐			