
Morning Reading 晨读

Grade 11 · AS · Week 16

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。

Look at the canteen at noon: the first student in the line is served first. Computer scientists call this structure a **queue**: first in, first out, or **FIFO**. New people **enqueue** at the back; the server **dequeues** from the front. Now look at the clean plates: the last plate placed on the pile is the first one taken. That is a **stack**: last in, first out, **LIFO**. You **push** a plate on top and **pop** it off again. Your browser's back button is a stack of pages; a printer's waiting list is a queue. Choosing the right structure is half of programming.

In the circuits lab you used **Kirchhoff's first law**: the current flowing into a **junction** equals the current flowing out, because charge is never lost. A **capacitor** stores charge briefly, smoothing the flow.

When inflation rises, the **central bank** tightens **monetary policy**: a higher **interest rate** makes borrowing dearer, cooling spending. **Supply-side policy** works slower but deeper, through training, technology and **infrastructure**.

Talk about it 说一说:

1. Find two queues and two stacks in your daily life.
2. Why does raising the interest rate slow down price rises? Trace the steps.

Physics

Topic 10 · D.C. circuits

💡 LED 发光二极管

🔋 capacitor 电容器

⚡ fuse 保险丝

⚡ junction 节点			
⊕ conservation of charge 电荷守恒			
↻ loop 回路			
⚡ Kirchhoff's first law 基尔 霍夫第一定律			
↻ Kirchhoff's second law 基尔霍夫第二定律			
⚡ rheostat 变阻器			
⦿ sensor 传感器			
🔌 transistor 晶体管			
🔍 comparator 比较器			
— threshold 阈值			
⚡ potentiometer 电位差计			
↔ jockey 滑动触头			
🔌 galvanometer 检流计			
🕒 null method 零点法			

Chemistry

Topics 14–15 · Hydrocarbons, Halogen compounds

☀ ultraviolet light 紫外线			
🛢 crude oil 原油			
📦 fraction 馏分			
🔷 halogenoalkane 卤代烷			
🔪 dehydration 脱水			
🍷 alcohol 醇			

☁ steam 水蒸气			
🍷 diol 二醇			
🧴 bromine water 溴水			
🔗 addition polymerisation 加成聚合			
🔗 polymer 聚合物			
⊕ carbocation 碳正离子			
→ inductive effect 诱导效应			
🏠 Markovnikov's rule 马氏 规则			
⊙ primary 伯			
⊖ secondary 仲			
○ tertiary 叔			
📦 nitrile 腈			

Biology

Topics 8-9 · Transport in mammals, Gas exchange

↔ chloride shift 氯转移			
🩸 haemoglobin acid 血红 蛋白酸			
🩸 carbaminohaemoglobin 氨基酰血红蛋白			
🏠 atrium 心房			
❤ ventricle 心室			
↺ cardiac cycle 心动周期			
✂ systole 收缩期			

[] diastole 舒张期			
⚡ sinoatrial node 窦房结			
⚡ atrioventricular node 房室结			
🌀 Purkyne tissue 浦肯野组织			
↔ gas exchange 气体交换			
⇒ trachea 气管			
🌬 bronchus 支气管			
🌬 bronchiole 细支气管			
⋮ alveoli 肺泡			
⇒ lungs 肺			
📦 cartilage 软骨			
⇒ ciliated epithelium 纤毛上皮			
💧 mucus 黏液			
💧 goblet cell 杯状细胞			
💧 mucous gland 黏液腺			

Mathematics

Topic 5 · Probability & Statistics 1

↗ mode 众数			
↑ variation 离散程度			
↔ range (of data) 极差			
[] interquartile range 四分位距			

 standard deviation 标准差			
 variance 方差			
 permutation 排列			
 combination 组合			
 mutually exclusive events 互斥事件			
 independent events 独立事件			

Further Mathematics

Topic 4 · Further Probability & Statistics

 pooled estimate 合并估计			
 chi-squared test 卡方检验			
 theoretical distribution 理论分布			
 degrees of freedom 自由度			

Computer Science

Topics 10–11 · Data Types and Structures, Programming

 LIFO 后进先出			
 push 入栈			
 pop 出栈			
 queue 队列			
 FIFO 先进先出			
 enqueue 入队			
 dequeue 出队			

 linked list 链表			
 node 节点			
 pointer 指针			
 traverse 遍历			
 underflow 下溢			
 circular array 循环数组			
 free list 空闲列表			
 record structure 记录结构			
 bubble sort 冒泡排序			
 variables 变量			
 data types 数据类型			
 constant 常量			
 operators 运算符			
 library routines 库例程			
 nested 嵌套			
 count-controlled loop 计数循环			
 pre-condition loop 前测循环			

Economics

Topics 5–6 · Government macroeconomic intervention, International economic issues

 regressive tax 累退税			
 expansionary 扩张性			
 contractionary 紧缩性			

 crowding out 挤出效应			
 monetary policy 货币政策			
 central bank 中央银行			
% interest rate 利率			
 money supply 货币供给			
 transmission mechanism 传导机制			
 supply-side policy 供给侧政策			
 privatisation 私有化			
 deregulation 放松管制			
 training 培训			
 infrastructure 基础设施			
 international trade 国际贸易			