1. Number

Weeks 1–7

数论

They should be able to

1. Order integers, decimals and fractions; use the six inequality and equality symbols.
2. Apply the four operations with formal written methods to integers, decimals, fractions and mixed numbers, in context including household finance.
3. Use inverse operations and the priority of operations (BIDMAS).
4. Use primes, factors, multiples, HCF and LCM via prime factorisation; (H) systematic listing and the product rule for counting.
5. Convert between terminating decimals and fractions; (H) recurring decimals to fractions.
6. Interpret fractions and percentages as operators, using multipliers including reverse percentages.
7. Use standard units of mass, length, time and money with decimal quantities.
8. Use index laws with integer and (H) fractional indices; calculate with roots.
9. (H) Simplify surds and rationalise denominators.
10. Calculate with standard form A x 10^n and interpret calculator displays.
11. Estimate answers by rounding to one significant figure; round to dp and sf.
12. (H) Write error intervals in inequality notation and apply upper and lower bounds through calculations.

Stage	Use	Your notes
Starter 10 min · retrieval practice	Topic quiz 01 (10 questions, answers on sheet 2)	
Teach the new content	Handout 01 Slide deck 01 Vocabulary list 01	
Practice guided then independent	Exercise sheets 1.1, 1.1.1, 1.1.2, 1.1.3, 1.1.4, 1.1.99, 1.2, 1.2.1, 1.2.2, 1.2.3, 1.2.4, 1.3, 1.3.1, 1.3.2, 1.3.3 Past-paper sheets 1.1, 1.2, 1.3	
Check before they leave	*nothing in the Library for this stage yet*	
Homework set from the Library	Any unused exercise sheet above	

2. Algebra

Weeks 8–14

代数

They should be able to

No objective statements parsed for this topic — see the syllabus.

Stage	Use	Your notes
Starter 10 min · retrieval practice	Topic quiz 02 (10 questions, answers on sheet 2)	
Teach the new content	Handout 02 Slide deck 02 Vocabulary list 02	
Practice guided then independent	Exercise sheets 2.1, 2.1.1, 2.1.2, 2.1.3, 2.1.4, 2.1.5, 2.1.99, 2.2, 2.2.1, 2.2.2, 2.2.3, 2.3, 2.3.1, 2.3.2, 2.3.3, 2.4, 2.4.1, 2.4.2, 2.4.3, 2.4.4, 2.4.5, 2.4.6, 2.4.7, 2.4.8, 2.4.9, 2.5, 2.5.1, 2.5.2, 2.5.3	
Check before they leave	*nothing in the Library for this stage yet*	
Homework set from the Library	Any unused exercise sheet above	

3. Ratio, proportion and rates of change

Weeks 15–19

比率、比例及变化率

They should be able to

No objective statements parsed for this topic — see the syllabus.

Stage	Use	Your notes
Starter 10 min · retrieval practice	Topic quiz 03 (10 questions, answers on sheet 2)	
Teach the new content	Handout 03 Slide deck 03 Vocabulary list 03	
Practice guided then independent	Exercise sheets 3.1, 3.1.1, 3.1.2, 3.1.3, 3.1.4, 3.1.99, 3.2, 3.2.1, 3.2.2, 3.2.3, 3.3, 3.3.1	
Check before they leave	*nothing in the Library for this stage yet*	
Homework set from the Library	Any unused exercise sheet above	

4. Geometry and measures

Weeks 20–25

几何与度量

They should be able to

No objective statements parsed for this topic — see the syllabus.

Stage	Use	Your notes
Starter 10 min · retrieval practice	Topic quiz 04 (10 questions, answers on sheet 2)	
Teach the new content	Handout 04 Slide deck 04 Vocabulary list 04	
Practice guided then independent	Exercise sheets 4.1, 4.1.1, 4.1.2, 4.1.3, 4.1.99, 4.2, 4.2.1, 4.2.2, 4.2.3, 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.3, 4.3.1, 4.3.2, 4.3.3, 4.3.4, 4.3.5, 4.4, 4.4.1, 4.4.2, 4.4.3, 4.4.4, 4.4.5, 4.4.6, 4.5, 4.5.1, 4.5.2, 4.5.3, 4.5.4	
Check before they leave	*nothing in the Library for this stage yet*	
Homework set from the Library	Any unused exercise sheet above	

5. Probability

Weeks 26–27

概率

They should be able to

No objective statements parsed for this topic — see the syllabus.

Stage	Use	Your notes
Starter 10 min · retrieval practice	Topic quiz 05 (10 questions, answers on sheet 2)	
Teach the new content	Handout 05 Slide deck 05 Vocabulary list 05	
Practice guided then independent	Exercise sheets 5.1, 5.1.1, 5.1.2, 5.1.3, 5.1.99, 5.2, 5.2.1, 5.2.2	
Check before they leave	*nothing in the Library for this stage yet*	
Homework set from the Library	Any unused exercise sheet above	

6. Statistics

Weeks 28–30

统计学

They should be able to

No objective statements parsed for this topic — see the syllabus.

Stage	Use	Your notes
Starter 10 min · retrieval practice	Topic quiz 06 (10 questions, answers on sheet 2)	
Teach the new content	Handout 06 Slide deck 06 Vocabulary list 06	
Practice guided then independent	Exercise sheets 6.1, 6.1.1, 6.1.2, 6.1.3, 6.1.4, 6.1.5, 6.1.99, 6.2, 6.2.1, 6.2.2, 6.2.3	
Check before they leave	*nothing in the Library for this stage yet*	
Homework set from the Library	Any unused exercise sheet above	