

2-year course planner for Pearson International GCSE Computer Science (9 - 1)

| Weeks | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---------------------------|-------------------------------|-------------------------------|---|---|---|-----------|---------------------------|---|---|----|----|-----------------------|----------|----|----|
| Year 1, Term 1 (15 weeks) | | | | | | | | | | | | | | | |
| Lesson 1 | Intro | Problem solving & programming | | | | Computers | Representation of numbers | | | | | Programming languages | Hardware | OS | |
| | | | | | | | | | | | | | | | |
| Lesson 2 | Problem solving & programming | | | | | | | | | | | | | | OS |

| Weeks | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------------------------|-------------------------------|---|---|---|---|--------------------|---|-------------------------------|---|--------------------|----------------|----------|
| Year 1, Term 2 (12 weeks) | | | | | | | | | | | | |
| Lesson 1 | Networks | | | | | | | Boolean logic | | | Data rep: text | |
| | | | | | | | | | | | | |
| Lesson 2 | Problem solving & programming | | | | | The bigger picture | | Problem solving & programming | | The bigger picture | | Networks |

| Weeks | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---------------------------|-------------------------------|---|-----------------|---|-------------------------------|---|---|---|---|----------------|------------------|----|------------------|----|
| Year 1, Term 3 (14 weeks) | | | | | | | | | | | | | | |
| Lesson 1 | Data rep: images | | Data rep: sound | | Hardware: internal components | | | | | Comput. models | Network security | | | |
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| Lesson 2 | Problem solving & programming | | | | | | | | | | | | Network security | |

| Weeks | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---------------------------|-------------------------------|------------------------------|---|---|-----------------------------|---|---|----------------|---|----|----|------------|----|------------------|----|
| Year 2, Term 1 (15 weeks) | | | | | | | | | | | | | | | |
| Lesson 1 | Prob solv & prog | Data storage and compression | | | Hardware: secondary storage | | | Internet & WWW | | | | Encryption | | Embedded systems | |
| | | | | | | | | | | | | | | | |
| Lesson 2 | Problem solving & programming | | | | | | | | | | | Encryption | | Big.Pict | |

| Weeks | 1 | 2 | 3 | 4 |
|--------------------------|---------------------------------|---|---|---|
| Year 2, Term 2 (4 weeks) | | | | |
| Lesson 1 | Bigger picture: Emerging trends | | | |
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| Lesson 2 | Problem solving & programming | | | |

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| | Topic 1: Problem solving | | Topic 4: Computers |
| | Topic 2: Programming | | Topic 5: Communication and the internet |
| | Topic 3: Data | | Topic 6: The bigger picture |