Computer Internet Access for Wigmore Primary School
Three options for comparison

Option 1: Wi-fi with 20 Laptops

- Costs:
    - Wi-fi hub connected   £1,800
    - 20 Laptops at £560 ea.   £11,200
    - **Total**   **£13,000**

Advantages
- Flexibility – room layout
- Convenient – use laptops as a textbook

Disadvantages
- Questionable safety – particularly with young children
- Parental concern
- Slower data transfer
- Laptops are harder to maintain and upgrade than pc's
- Laptops need frequent charging
- Laptop batteries need replacing after 1,000 re-charges

Option 2: Second IT Suite

- Costs:
    - Wiring (ethernet network extension)   £1,660
    - 20 pc's at £350 ea.   £7,000
    - **Total**   **£8,660**

Advantages
- Safe
- No parental concerns
- Most economical option
- Pc's have a longer life, easier to maintain and upgrade than laptops
- Faster data transfer than wi-fi

Disadvantages
- Less flexible and convenient than wi-fi
- Class room dedicated to suite

For info: ethernet wiring: breakdown of costs

- Trunking   £240
- Sockets (power)   £75
- IT Sockets   £260
- Back boxes   £20
- Power cables   £100
- IT Cables   £60
- 24-way switch £57
- Labour (3 days) £600
- VAT   £247
- **Total**   **£1,659**

_Option 3__: Install network wiring in some/all classes for use with laptops_

- Costs:
    - Wiring per room (ethernet network) £1,660
    - 20 laptops at £560 ea.   £11,200

Advantages
- Safe
- No parental concerns
- Offers more flexibility
- Available in all classrooms
- Faster data transfer than wi-fi
- Power points at each station remove the need for charging and battery replacement

Disadvantages
- Less flexible and convenient than wi-fi
- Greater capital expenditure if installed in two or more classrooms
- Laptops are harder to maintain and upgrade than pc's