Finding a Good Relationship Marking Key   /35

1. States hypothesis that includes identification of variables ✓ and nature of relationship (positive/negative or description of this) ✓

2. Identifies the independent variable and the dependent variable ✓

3. Table ensures that bivariate data is linked ✓

4. Gives appropriate number ✓
   Justifies choice (eg must be sufficient to give confidence in findings) ✓

5. Determines method for sourcing data ✓ that is a reliable source ✓

6. Collects data ✓
   Displays in table ✓
   Sufficient range of values sourced for both variables to give confidence in findings ✓✓

7. Scattergraph ✓
   Labelled, accurate scales on axes ✓
   Points positioned correctly ✓✓✓

8. Line of best fit ✓

9. Draws line on graph ✓ well positioned to fit data ✓
   Uses it to identify three points, one of which is extrapolated ✓✓✓

10. Describes the patterns, eg points are loosely positioned ✓ around a line ✓ that has a positive gradient ✓

11. Statement of confidence ✓ based on strength of relationship ✓ and interpolation ✓ or extrapolation ✓

12. Conclusion states strength ✓ direction ✓ nature (linear) ✓ of relationship
    Describes the relationship in general terms, eg as x increases, y decreases ✓
    Comment on accuracy of hypothesis ✓