

Key Knowledge/Prior Learning KS2/3 and Retrieval and Suggested Starters

- Plot coordinates.
- Reading values from a graph.
- Interpreting information from a graph.

Retrieval and Suggested Starters

- Practising the fluency of the above skills.
- Interleaving & problem-solving questions involving the above topics.

KS4 National Curriculum – what students will be practicing

- Plot and interpret graphs in a real life context (speed, distance, time, acceleration, exchange rates etc)
- Plot and interpret scatter graphs.
- Recognise & name the type of correlation shown by a scatter graph.
- Draw lines of best fit on scatter graphs.
- Use a line of best fit to make a prediction.

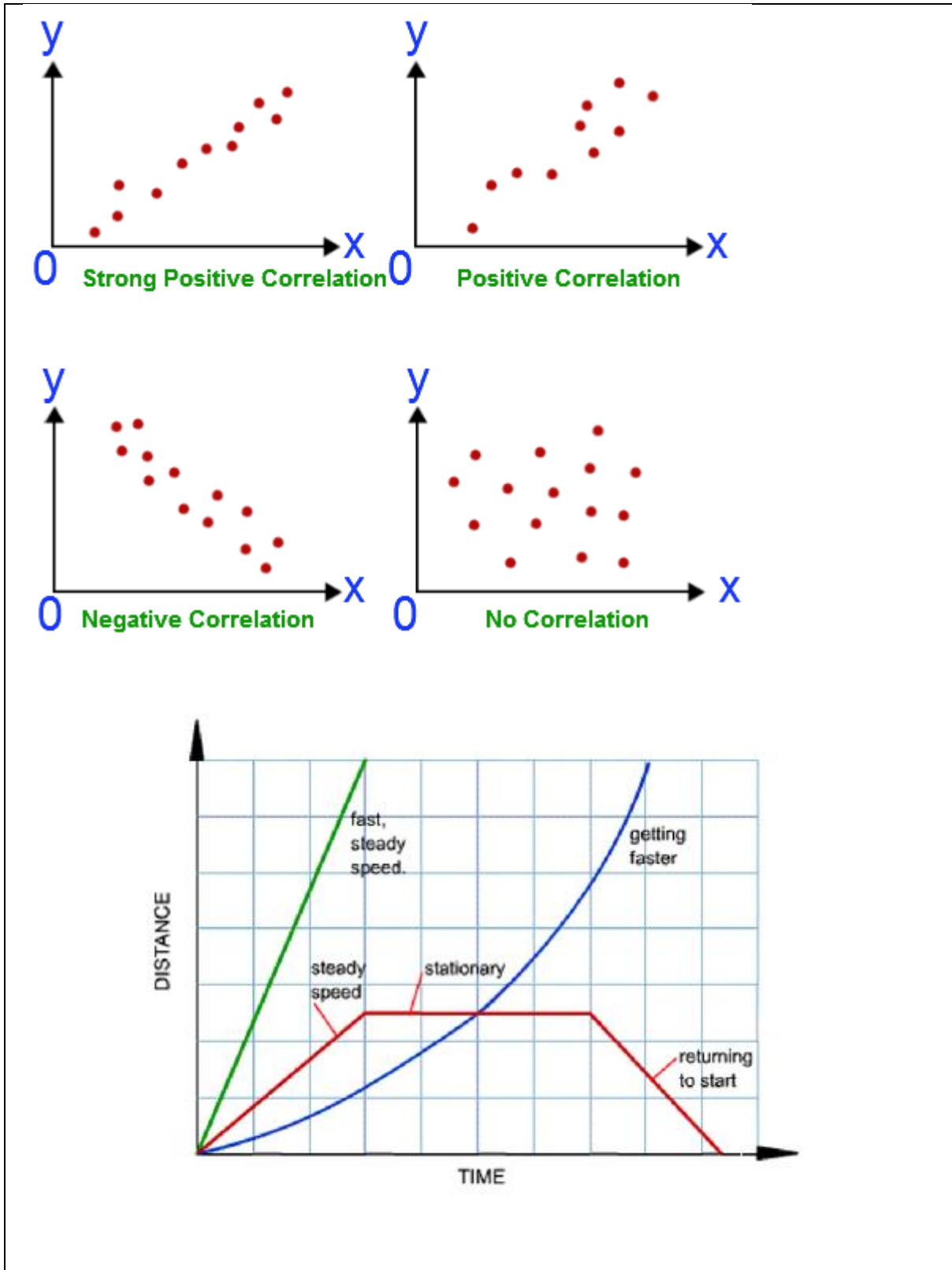
Specific Ambitious Knowledge

- Interleaving topics & problem-solving scenarios.

Key Vocabulary/Literacy Opportunities

- Speed, distance, time (and units linked to these).
- Coordinates
- Line of best fit
- Correlation
- Axis
- Exchange rates.

Key Formulae/Knowledge:



Cross Curricular Links

- Links to science & statistics with use of scatter graphs to interpret data.
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Student' Thinking

- [https://www.gapminder.org/tools/?from=world#\\$chart-type=bubbles&url=v1](https://www.gapminder.org/tools/?from=world#$chart-type=bubbles&url=v1)

Projects/Enrichment/Investigations

- [How Far Does it Move?](#)
- [Speeding Up, Slowing Down](#)
- [Up and Across](#)
- [Maths Filler](#)
- [Fill Me Up](#)
- Shared documents/Maths/Projects/Problem-solving card sorts.