

Figure 16. Framework Categorisation for SMOKING Question 1

Framework categories	2015 Framework
Knowledge type	Content
Competency	Explain phenomena scientifically
Context	Health and Disease, Local/National
Cognitive demand	Medium

Question 2: SMOKING

64. This question explores students’ understanding of data.

65. The right hand side of the screen shows authentic data of cigarette consumption and deaths from lung cancer in men over an extended period of time. Students are asked to select the best descriptor of the data by clicking on one of the radio buttons next to answer statements on the left hand side of the screen.

Figure 17. SMOKING: Question 2

PISA 2015 Unit Name: **SMOKING**

Question 3/9

Rose found a graph while doing research on smoking.

Refer to Rose’s research on the right. Then select the best response to the question below.

Which statement best describes the data shown in the graph?

- The graph shows that all men who smoked cigarettes developed lung cancer
- The graph shows that more men smoked cigarettes in the 1940’s than in 2010
- There is no link between cigarettes smoked and deaths from lung cancer
- There is a positive link between cigarettes smoked and deaths from lung cancer

Rose’s Research

66. This unit tests content knowledge using the competency of interpreting data and evidence scientifically.

67. The context is health and disease applied to a local/national setting. As students need to interpret the relationship between two graphs, the cognitive demand is categorised as medium.