GOLDEN

THREAD

QUESTION



LEARNING JOURNEY COMPUTING



WE ARE HERE

Patterns and trends

What is data science?

What is a

prediction?

What is a visualisation?

visualisation help us identify patterns and

How can a

trends?

What is software? How is

Investigations and predictions software used to identify patterns and trends?

In this unit, you will be introduced to data science, and by the end of the unit you will be empowered by knowing how to use data to investigate problems and make changes to the world around them. You will be exposed to both global and local data sets and gain an understanding of how visualising data can help with the process of identifying patterns and trends. Towards the end of the unit, you will go

TUDOR HABITS

You will develop grit and resilience as you use your computational thinking skills to explore how data science is used to solve problems.

through the steps of the investigative cycle to try

to solve a problem in the school using data.

VOCABULARY

Data (set), visualization, trend, pattern, outlier, correlation

How are criteria and data sets used in investigating predictions?

What are the steps in the investigative cycle?

What are

criteria?

What is the purpose of findings, conclusions and recommendations in the context of investigations?

Data sets

What is a data set?

What is data cleansing?

Where are data sets used in real life?