Dimension: Data Handling

Topic: Bar Charts

Time: 40 minutes

Previous Knowledge:

1. Students were able to read bar charts with data of larger size
2. Students were able to estimate the average of the data

Learning objectives:

K) Students are able to express their understanding of the elements of a bar chart

S) Students are able to construct bar charts with different methods

A) Students are able to appreciate and evaluate each other

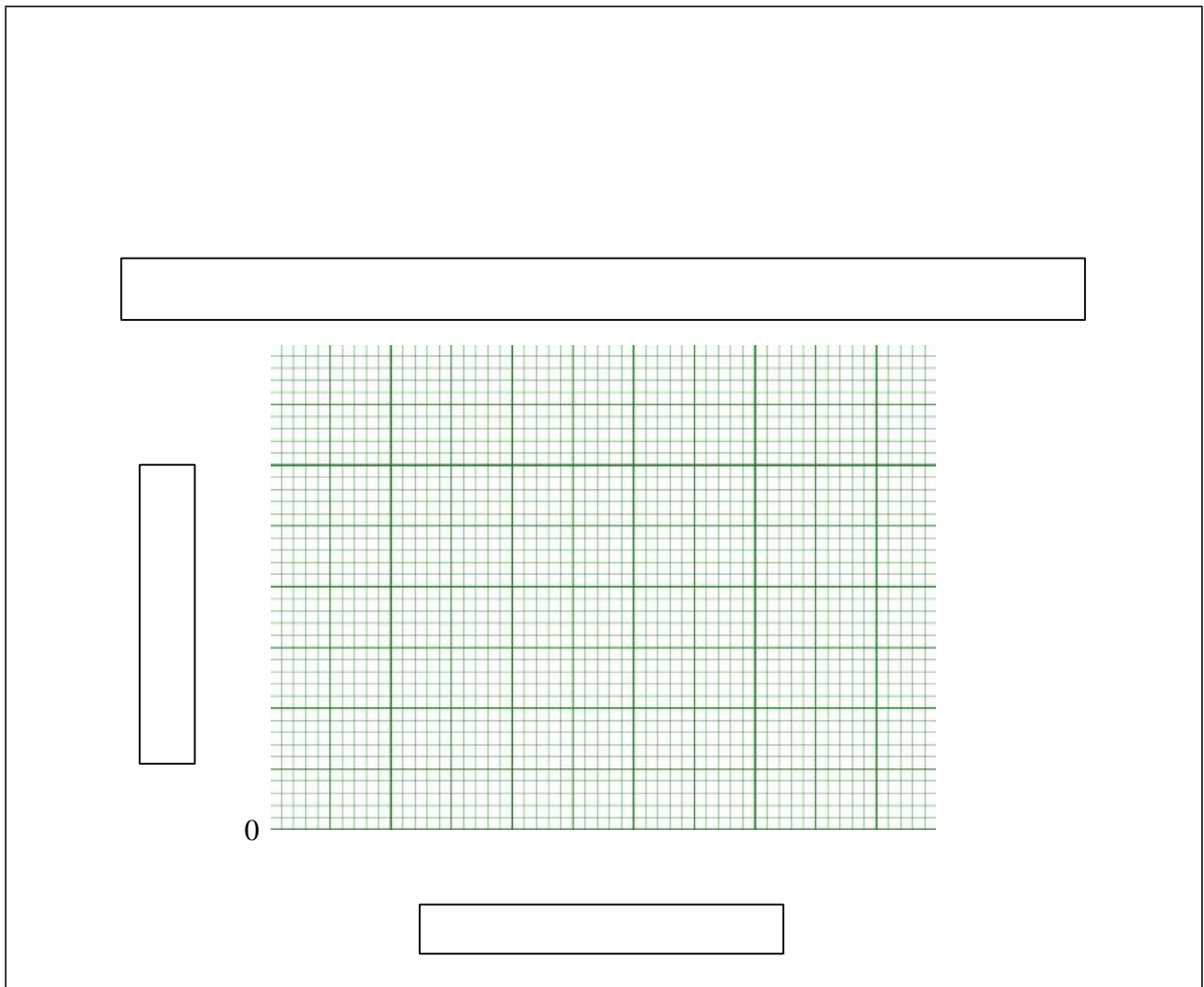| Time Flow	Content	Remarks
Arouse Learning Interest (5 minutes)	**Motivation** Determine the students' previous knowledge by using MC Questions with Nearpod and invite Ss to share their understanding. ● Which country had the largest number of robots? ● How many more copies of the sales of magazine A than B? ● Find the average population of these six cities.	e-Learning Questioning
Develop knowledge (12 minutes)	1. T demonstrates some incomplete bar charts. Through asking questions, introduce the importance of each missing elements. 2. Use a bar chart as an example. T interprets the elements and the corresponding functions of a bar chart. <u>Class Activity</u> a) Individual work. b) Ss need to construct a bar chart on the WS with the data provided. c) Ss upload their works and give comments or suggestions to the others through Nearpod.	Life examples Questioning Peer evaluation e-Learning

Consolidate knowledge with group work and presentation (18 minutes)	1. T raises a problem on creating bar charts.
	
	2. T suggests the possible solution and the division of work
	
	Classwork
	    a) Ss work in pairs.
	    b) Ss need to create charts with Numbers by the supporting of the video
	    c) Ss need to prepare two questions to evaluate their understanding during presentation
		Problem Solving
		
		S-S interaction
		Peer evaluation
		Learning Diversity
		e-Learning

Conclusion (5 minutes)	1. Conclude the key points of making bar charts 2. Homework distribution	

Name:_____   Class:_____

A) Construct a bar chart with the following data.

B) Use 'Numbers' to construct a bar chart with the data provided.

According to the information of the bar chart,

1)_____

2)_____