

Psychology | General | Year 12

Performance associated with Grade A, representing excellent achievement

Assessment type

Investigation

Task title

Memory

Summary of task

Students were asked to investigate whether narrative chaining as a mnemonic device can be used to improve an individual's ability to recall a list of words. Students were asked to write a scientific report in class under test conditions. They were asked to bring their data and a page of notes to complete their report.

They were provided with a task sheet with instructions on how to complete the report.

Students were given one week to conduct the investigation and collect the data and two lessons for the report writing.

A grade is based on the student's **overall performance for the pair of units,** as judged by the teacher with reference to a set of pre-determined standards. These standards are defined by grade descriptions.

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Work Sample Annotations

that relp learners remember larger pieces of information that may be difficult to retrieve such as lists, definitions & and steps. Mnemonic devices are a way of remembering short cuts which helps us to associate information we vant to remember with images, words or sentences.

 comprehensively explains key term 'mnemonic devices'

In 1969, Bower and Clark, researched on mnemonic devices and their vays of helping people ten improve their memory. Their study shows that we dept there are no differences in immediate recall scores of both groups was noted. Later when the experimental group was asked to recall as many words as possible, using harrative chaining, recalled an average of 93%, words compared to the control group, which only recalled an average of 13% words.

describes relevant research in detail

Narrative chaining is useful in particular, if the words are needed to be recalled in order.

Narrative chaining involves making up short stories in order to remember the objects/uprds.

Unlike repitition, narrative chaining organizes the words into a meaningful context/story.

 comprehensively explains key term 'narrative chaining'

2 mnemonic devices include chunking and acronyms.

Chunking refers to breaking down larger information into smeller organised crunks.

This is useful as goven the short-term memory can hold up to 7±2 (5-9 items).

 describes two other mnemonic devices in detail

Acronyms are words formed from the first letter or groups of letters in name or phrase. Acrostic are strategy series of lives which the letters form.

These 2 destrois mnemoric techniques are the most popular used by students, to much remember information easier.

Aim: The aim of this study is to investigate the effectiveness of narrative chaining on memory.

Hypothesis: It is hypothesised that in a group of 32 porticipants aged 16-17 yrs old from

High School. Participant

Who use naviative chaining to recall words from a list will remember higher number percentage of words when asked to write down as many words as possible through naviative chaining compared to participants who ask maintanence reheaved or other memorising techniques.

formulates an operational hypothesis

Method:

1. Cather your materials for the experiment (Eg. List of 20 words & List of 5 ze example words etc.)

2. Explain to the participants what

Narvative chaining is and how it works.

3. Start a trial test by using the example

5 words. (2 mins memorising words, 2 min distractortesk, 2 mins recall.)

4. Do example to words distraction test.

5. Move on to the List of 20 words

 clearly describes the method used to test the experimental group of students using narrative chaining, but does not explain how the control group will be tested

b- Time the for 2 mins to many and	
memorise words	
7. Time participants to de complete	
distractor task. (2 mins)	
8. Time participants for another 2 mins	
to recall as hany words as they can.	
9. Gather results, analyse and compare.	
Description of partipants: There are 32	
Description of partipants: There are 32 participants at Senior High	
ages were 16-17 years old. This sa Their	
ages were 16-17 years old. This so Their social economic were middle to high class.	 clearly describes the
Most of their nationality were middle eastern	participants in the investigation
and Australian.	investigation
Materials: Timer, paper, pen, participants,	
Materials: Timer, paper, pen, participants, list of example words to and list of 20	
words.	
How data was recorded: Duta was recorded in	doscribos bow
a Controlled environment in class room. The	 describes how anonymity will be
scores were collected confidentially as each	maintained throughout the
students were given oun numbers.	investigation
3 ethics: Withdrawal Rights, and Informed	
Withdraval rights: The Withdrawal rights	
Withdraval rights: We Withdraval rights	
refers to the right that participants we allowed to be without to the cont	
· · · · · · · · · · · · · · · · · · ·	
of the stordy without any pressure or	
regative consequences. Their results will be	
taken out of the chides	

Informed consent: Informed consent refers	
to the right that of participation in the	
Hudy/experiment. If you are under	
Is years of age, you must get permission	 identifies and describes three
from you guardian or parent.	relevant ethical
	considerations and discusses how some
Ocception: Deception is used in some acces,	of these will be managed
giving participant information about	
behaviour which may affect mette results	
behaviour which may affect mette results	
and theirfore ou it will affect the accuracy;	
of results.	
Results: The satural group	
-> controlled group:	– organises data
mean: 8 words	logically for the control and
range: min = 2 max = 16	experimental groups and presents it
Stardard deviation: 3.47	without using a table
=> Experinenta (group	
mean: 11.77 words	
mean: 11.77 words unge: min=8, max = 18	
mean: 11.77 words	
mean: 11.77 words unge: min=8, max=18 Standard deviation: 2.2	
mean: 11.77 words unge: min=8, max=18 Standard deviation: 2.2	
mean: 11.77 words unge: min=8, max=18 Standard deviation: 2.2	
mean: 11.77 words unge: min=8, max=18 Standard deviation: 2.2 These results show that the experimental group stored higher in recalling using narratice thaning man the controlled group which	
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mean: 11.77 words unge: min=8, max=18 Standard deviation: 2.2 These results show that the experimental group stored higher in recalling using narratice throwing man the controlled group which recalled an average of 8 words. This stores shows that rangether chaining is effective	– describes trends in data
mean: 11.77 words unge: min=8, max=18 Standard deviation: 2.2 These results show that the experimental group stored higher in recalling using narratice thaning man the controlled group which	_
mean: 11.77 words varge: min=8, max=18 Stardard deviation: 2.2 These results show that the experimental group stored higher in recalling using narratice thrining pran the controlled group which recalled an average of 8 words. This shows that narrowth chaining is effective on improving memory.	_
mean: 11.77 words unge: min=8, max=18 Standard deviation: 2.2 These results show that the experimental group stored higher in recalling using narratice throwing man the controlled group which recalled an average of 8 words. This stores shows that rangether chaining is effective	_

using narrative chaining than the controlled	
gunp who used other memorising techniques	 relates findings to the hypothesis
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Variables being controlled:	
- Distractor task	
- 32 participants	
- 20 words	
2 mins for memorising words 2 mirs forthe	– identifies three
par recally words the the	variables that were
	controlled
1 Problem: Participants weren't tested in	
absolute silence 2nd time round.	
I way problem could be overcome: Teacher	
should test everyone just like the first time,	
in silence, so students would focus move.	
Ensured accuracy: This experiment	
ensured accurrent by keeping the variables	
that were controlled in first round same as	
second wund.	
Delarance to marks community & un:	
Pelevance to greers, community & you: The nanative chaining technique is applicable	
to children with disshilities who may not	
to children with disabilities, who may not remember their times tables or students in high school who need a way to	
high colored who seed a very to	
remember information.	
representation.	
Muncheris is consulted as the mounts	
Mypothesis is supported as the results are navnetive chaining technique resulted more wards than participants who used	
acception who in the contract of the contract	
and wereds He particular	
mare with than patticipands who used	



Work Sample Annotations

another memory technique. Friends

Hough Findings also support previous

research (Bover & Clark 1969) using

harrative technique But helps to recult

More words and can also be concluded

that using narrative chaining renembering

information is a prositive effect on

memory. As the results were statistically

significant, the results can be generalised

to the High School

Students population.

 relates the results of the investigation to the research described in the introduction