

Psyc 390 - Psychology of Learning

## Studying Memory

- You can examine memory at several different phases or stages.
- Encoding Stage
- Storage Stage
- Retrieval Stage

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Encoding Stage

- Two Phases
- Acquisition Phase
- When you first encounter the item.
- Memory Trace
- The relevant experience leaves some record in the memory system.

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## Storage Stage

- Memory traces are held in some enduring form for later use.

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Retrieval Stage

- One tries to recall a particular memory trace among all other memory traces that are being stored.

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Retrieval Stage
All are aspects of the memory process
All three areas of the process are studied.


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## Serial Learning Task

- Look at a list of words for a few seconds, then try to recall the words in the order they were listed.

| Psyc 390 - Psychology of Learning <br> Example |  |
| :---: | :---: |
|  |  |
| .Pencil |  |
| Wallet |  |
| Bookcase |  |
| Chair |  |
| Pen |  |
| Automobile |  |
| Hanger |  |
| .Elephant |  |
| .Plane |  |
| .Suitcase |  |
| .Hat |  |
| Bathroom |  |
| Paper |  |
| Towel |  |
| Briefcase | 9 |
| Ramp |  |

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## Paired Associate Task

- Here you present two items at once and later try to recall the item when given the other.
.Automobile
.Hanger
.Elephant

Suitcase
.Hat
.Bathroom
. Paper
.Briefcase

| Psyc 390 - Psychology Paired Associa | arning |  |
| :---: | :---: | :---: |
| 1. Book | Light |  |
| 2. Ice | Chalk |  |
| 3. Phone | Clip |  |
| 4. Stapler | Floor |  |
| 5. Knob | Plant |  |
| 6. Couch | Moon |  |
| 7. Button | Carpet |  |
| 8. Stove | Crass |  |
| 9. Box | Knife |  |
| 10. Harbor | Switch |  |
| 11. Outlet | Spring |  |
| 12. Horn | Sky |  |
| 13. Boat | Wall |  |
| 14. Plane | Paper |  |
| 15. Concrete | Board | 11 |

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Problem
Words often have meaning.

Solution
Use nonsense syllables
CCC CVC


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Free Recall Task

- Try to recall items without hints.
- Is not the same as a serial learning task.
- Is difficult
- e.g.,
- Name the 50 states.
- Name every brain structure.
- Don't worry about the order.

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Recognition Task

- Recall information that you have seen before.

Multiple choice exam.

