**Testing and Intelligence**

Who is Alfred Binet?

Why did he create his intelligence test?

What did he believe the test could tell people? What did he think the test could NOT tell people?

How was mental age calculated?

How were/are IQ tests used in the USA?

Who is Terman?

What is the Stanford-Binet Intelligence test? How is it similar to/different from Binet’s original test?

Write the equation used for determining IQ:

How did Terman’s beliefs (and others) about intelligence differ from Binet’s?

Who is Wexler?

What is the Wexler intelligence test (WAIS)? How is it similar to/different from prior tests?

What does it mean for a test to be valid?

What does it mean for a test to be reliable?

What factors do we need to be aware of when standardizing tests? Why is this important?

What are some concerns about using IQ tests? How can they have a negative impact on people? (List as many ways as you can).

Who is Claude Steel?

What is Stereotype Threat and how does it work?

Describe the study used to test the impact of stereotype threat:

How can you reduce stereotype threat?

Who is Howard Gardner?

List Gardner’s 7 intelligences: (P.S. there are now more than 7! ☺)

How does Garder expect tests to be different in the future?

Who is Robert Sternburg?

What is practical intelligence?

What evidence does Sternberg cite to indicate that traditional IQ tests do not capture all abilities?

How are neuroscientists looking at intelligence?

What is an EEG? What does it measure?

**Remembering And Forgetting**

Who is Hermann Ebbinghaus?

What did Ebbinghaus learn about forgetting?

What role does meaning and context play in memory?

How did the computer impact our understanding of memory?

What is encoding?

What is storage?

What is retrieval?

What is short-term memory?

What (if any) limits are there on short-term memory?

What is long-term memory?

What (if any) limits are there on long-term memory?

What is working memory? How is it related to short-term memory?

What is rehearsal? How does it impact our memory?

What is grouping/chunking? How does it impact our memory

Who is Gordon Bower?

What is the peg-word mnemonic? (Complete the activity with Zimbardo to see how it works!)

How does repression affect our memory according to Freud?

What is reconstructive memory?

Read this quote from the movie: “How and what you remember is determined by who you are and what you know.” What does this mean?

What is a schema?

How do schemas influence our memory and perception?

How do memories change the structure and function of the brain?

What is procedural knowledge/memory?

What is semantic knowledge/memory?

What is episodic memory?

Who is Karl Lashley?

What did he learn about memory & the brain?

Who is Richard Thompson and what did he learn in his studies?

Who is Diana Woodruff-Pak and what did she learn in her studies?

How does acetylcholine connect to memory?