**Unit 3 Cognition & Testing Week 3 LP**

Mon: No School

Tue 10/14

SWBAT Explain what factors can impact intelligence

(15 min) 10 min MC Quiz, 5 min level-Up, pass out grades & weekly levels

(5 min) review modern testing & aptitude vs. achievement tests

(10 min) twin studies & heritability

(10 min) normal curve – students fill in blank document

(10 min) high & low extremes of intelligence

(10 min) the brain & intelligence

Thu 10/16 (Short 50 min classes)

SWBAT describe how intelligence tests are constructed and normed

(5 min) level-up quizzes

(10 min) WWI intelligence test (Ch 11 p 47-48 in resource folder). Have student take the test & share scores. Discuss why this does/does not measure intelligence & general issues with intelligence testing.

(5 min) Look through more current intelligence test. How is this similar/different? What is better? What issues may still be a part of this test? (Ch 11 p 49-51)

(10 min) discuss culture, stereotype threat, and other biases in intelligence testing. Share “culture fair” test (Ch 11 p 57) if time and compare to other tests.

(5 min ) Flynn Effect

(15 min) Validity & Reliability, use “shoe size” and “T-Test” to demonstrate and discuss these two concepts.

Fri 10/17

SWBAT identify factors that improve & inhibit problem solving (Some of this may carry over into Mon lesson on Heuristics so PPT is the same)

(5 min) Level-up quizzes

(5 min) Introduce cognition & problem solving

(10 min) students draw tree, chair, car – use these to illustrate concept & prototype

(5 min) Creativity

Factors that inhibit problem solving:

(10 min) impact of mental set & functional fixedness – have students answer riddles & discuss how mental set plays a role.

(5 min) Sunk cost fallacy – students write reasons & discuss why it makes no sense to stay. Give example of continuing to repair faulty car.

(10 min) belief perseverance – discuss examples & how to prevent. Connect to cognitive dissonance.

(5 min) confirmation bias – (Ch 7b p 12 – type up handouts for students – some say award custody & some say deny)

(5 min) framing (activity on handout 7b-8)