

SST FINAL TEST – STUDY GUIDE

Technology: The use of knowledge, tools and systems to make people's lives easier and better

Influence: An effect of one thing (or person) on another

Society: A group of people living as members of a community

What technologies have people used throughout the ages to write? Carved into walls of caves, used slate pencils and modern day pencils (there are more, but these will be on the test)

Is a pencil a technology? Yes

Who invented the first electric telegraph? Joseph Henry

Trade-off: An exchange in which one benefit is given up in order to obtain another

Brainstorm: A process in which an individual (or group members) freely suggest any creative solutions to a problem

Constraint: Any factor (thing) that limits or restricts a decision

Engineer: A person who is trained to use both technological and scientific knowledge to solve practical problems

Prototype: A working model used to test a design

Consequence: A result of something

What are the 6 steps in technological design? (1) Identify a need, (2) Research the problem, (3) Design a solution, (4) Building a prototype, (5) Troubleshooting and redesigning, (6) Communicating the solution

Product: Something produced

Desirable: Having pleasing qualities

Undesirable: Not desirable; unwanted; not having pleasing qualities or properties

Drag: The air resistance on a rocket

Gravity: Force which pulls on a rocket and causes its weight