

Concept Selection Brainstorm

- ❖ Sensor mounted to outside of helmet
- ❖ Sensor attached physically to player
- ❖ Transmit data constantly
- ❖ Store data into UI
- ❖ Notify coach
- ❖ Notify medical team
- ❖ Rechargeable port for battery
- ❖ Sensor located inside padding of helmet
- ❖ Transmit data after certain time
- ❖ Transmit data only after big hit
- ❖ LED on helmet
- ❖ Sensor connects to cell phone
- ❖ Mouthguard for sensor
- ❖ Ear clip device with vibration for impact
- ❖ Fitbit style bracelet for player
- ❖ Tablet for medical team
- ❖ Player headband with sensors throughout
- ❖ Skullcap covered in sensors
- ❖ Multiple small batteries for board
- ❖ Multiple accelerometers for accuracy
- ❖ Battery monitoring
- ❖ Device ejects object on concussion as flag to notify team
- ❖ More padding in helmets or around sensor
- ❖ Glue sensor into helmet
- ❖ Solenoid for consistent impact testing
- ❖ Test on human subjects for final testing
- ❖ Dropping from height