

// cell phone/ accessory

construction of the
proof of concept

3d design & printing

contact information

design process

tool safety

design

why the challenge?



Michael Tedeschi /BCPS

03/28/19

why the challenge?

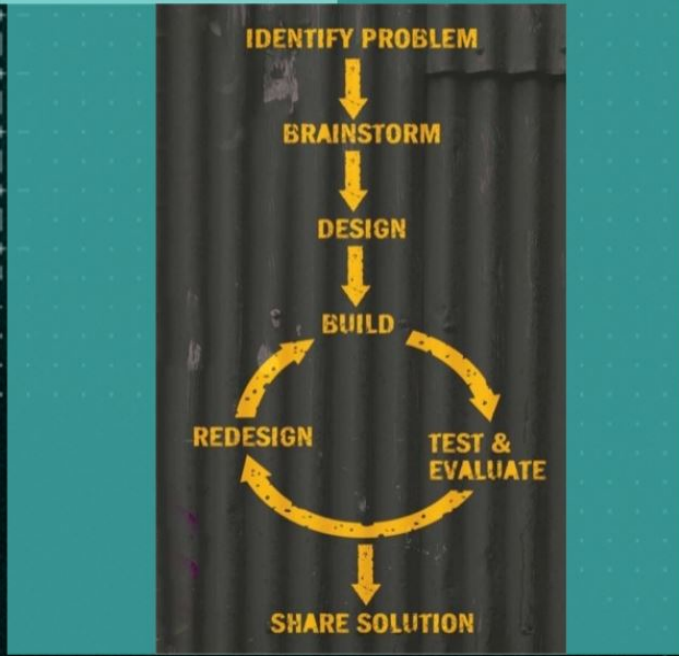
I. "...nature of technology."

III. "...engineering design process to develop solutions to problems."

IV. "...apply computational thinking skills and computer science applications as tools to develop solutions to engineering problems."

authentic

design process



engineering design journal (EDJ)



identify the problem



brainstorming



tool safety

student utilize:

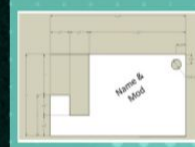
- drill press/hand drills
- band saws
- belt/disc sander
- hot glue guns

assessments

online assessments

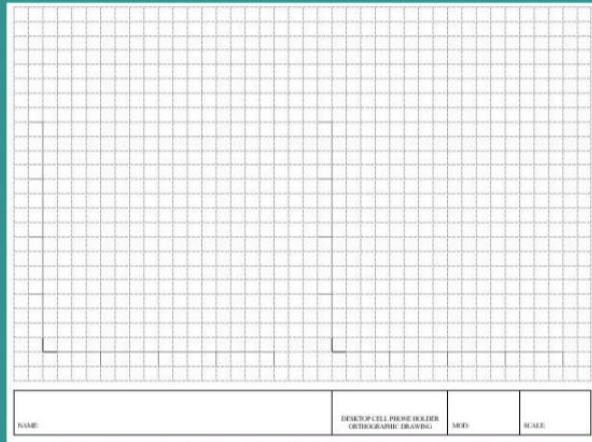


safety lessons



final assessment

design



Design	Develops a procedure for building the prototype OR provides detailed scale drawings (blueprints) of how the prototype will be built. Provides a rationale explaining "why" the solution is best.
--------	--

learning design

creating design

construction of the proof of concept



video #1

video #2

video #3

video #4

3d design & printing



3d printing

3d modeling

Presented by: Michael Tedeschi
Email: mteseschi@bcps.org

Click the following link for the full presentation: <https://prezi.com/view/ECe2w6TCTtaACDGVtzIE/>

