





Common Core Lesson Planning Template

Grade Level 7	Teacher/Room: smith		Week of: 17/8 Dec 7-11	
Unit Vocabulary: invention, innovation, attributes, societal impacts, engineering design process, science, technology, artifact, prototype Potential and Kinetic Energy				
Instructional Strategies Used: peer to peer, media, review new material using Google sketch up, YouTube, computer				
Day 1	Day 2	Day 3	Day 4	Day 5
Common Core Standard(s): ENGR -11-2 –examine core concepts of engineering ENGR-11-4 will invent and innovate Bcsi1-6 –internet resources ENGR 11-56 develop work ethics	Common Core Standard(s): ENGR -11-2 –examine core concepts of engineering ENGR-11-4 will invent and innovate ENGR 11-56 develop work ethics	Common Core Standard(s): ENGR 11-56 develop work ethics	Common Core Standard(s): ENGR -11-2 –examine core concepts of engineering ENGR-11-4 will invent and innovate ENGR 11-56 develop work ethics	Common Core Standard(s): ENGR 11-56 develop work ethics
EQ Question: I CAN Tell what is difference in Potential and Kinetic Energy	EQ Question: Tell what is difference in Potential and Kinetic Energy	EQ Question: I CAN Tell what is difference in Potential and Kinetic Energy	EQ Question: ICAN Tell what is difference in Potential and Kinetic Energy	EQ Question: I CAN Tell what is difference in Potential and Kinetic Energy
Mini Lesson: Difference in Potential and Kinetic Energy Activating Strategies: Building Building group room mazes from the cardboard kits Gingerbread house groups too Resource/Materials: CTEA resources, power point IPAD Computers worksheet	Mini Lesson: Review the difference in K and P Activating Strategies: Building Mazes and Gingerbread hose Gingerbread house groups too Marble Maze Game with peers Marble Maze Game with peers Resource/Materials: CTEA resources, power point IPAD Computers worksheet	Mini Lesson: building Activating Strategies: Building group room mazes Resource/Materials: Paper Cardstock tape and kits and knowledge of design Gingerbread house groups too	Mini Lesson: building Activating Strategies: Building group room mazes Resource/Materials: Insulation marble and knowledge of design Mini Lesson: Hallway Mazes Activating Strategies: Discussion/peer hunt Building Hallway Mazes Resource/Materials: Insulation marble and knowledge of design Gingerbread house groups too	Mini Lesson: building maze Activating Strategies: Building group room mazes Resource/Materials: Insulation marble and knowledge of design My marble kits Gingerbread house groups too

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Differentiation: <i>Content/Process/Product: individual and peer to peer help</i> <i>Grouping Strategy: flexible</i>	Differentiation: <i>Content/Process/Product: individual and peer to peer help</i> <i>Grouping Strategy: individual</i> <i>Formative: See what on the document they have completed</i>	Differentiation: <i>Content/Process/Product: manageable chunks,</i> <i>Grouping Strategy: whole group/girls vs boys / 2 groups</i> <i>Assessment first watch whole group</i>	Differentiation: <i>Content/Process/Product: manageable chunks,</i> <i>Grouping Strategy: flexible</i> <i>Assessment : see results from marble time</i>	Differentiation: <i>Content/Process/Product: break manageable chunks</i> <i>Grouping Strategy :flexible</i> <i>Assessment: see results from marble time</i>
Assessment : <i>Formative: See what on the document they have completed</i> Performance Based: Successful tubing marble time	Assessment: <i>Formative: See what on the document they have completed</i> Performance Based: Completed Work	Assessment: <i>Formative: listening to group discussion answers</i> <i>Performance Based: Presentation on Invention Assigned</i>	Assessment: <i>Formative: keyboarding score</i> <i>Performance Based: see results on marble</i>	Assessment: <i>Formative: listening to group discussion answers</i> <i>Summative: Inventions Presentation</i> <i>Performance Based: listening and seeing interaction marble results</i>
Homework: 	Homework: 	Homework: can do Google Research on inventors at home and Marble Maze and Gingerbread supplies	Homework: 	Homework: 

Resources and Reflective Notes: used BYOD for defining and projector and kids type words as others explained what they mean-

Use YouTube on GOOGLE Classroom for inventors –

Also teach Google drive to students and how to share once password ok is established and upload on GC(Google Classroom)