



	12:45	Closure & Survey (Students must report to bus or car to return to school)
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	<p>Introduce the Day's Goal http://lacoast.gov/new/Pubs/videos.aspx</p> <p>Mini-Challenge: Don't Run Off in the Big Easy!</p>	<p>Materials/Resources/Handouts</p>
<p>Set the Stage</p>	<ul style="list-style-type: none"> o Intro to flow of water and effects pollution, nature and man has on an ecosystem; Causes of pollution; Managing harmful effects of runoff. o Video: Green Infrastructure in New Orleans (runoff) https://youtu.be/GMBdJQPkOpU Quick Discussion of video (5m) 	<p>RUNOFF</p> <p>PowerPoint Video</p>
<p>Engage</p>	<p>1. Pose the Challenge</p> <ol style="list-style-type: none"> 1) Explore model city together 2) Each team adds a pollutant 3) Spray rain water 4) Discuss effects <p>2. Teams Brainstorm, Design, and Build own city</p> <ul style="list-style-type: none"> ● Brainstorm available materials ● Teams decide on which materials to purchase ● Gather and materials ● Build ● Test <p>3. Showcase (Pair Share – share with one other team)</p>	<p>MODEL City for Whole Group MODEL City pieces for Teams</p> <ul style="list-style-type: none"> ▪ Landscaping materials ▪ Handout (Prices of materials) ▪ Spray water bottles <p>Facilitators ask:</p> <ul style="list-style-type: none"> ▪ Why did you select these materials? ▪ What did you change to make it work better? ▪ If you had more time what would you do? ▪ If you could select other materials, what would you prefer?
<p>Reflect</p>	<p>Reflect on Engineering Design Process (What steps did we use to complete this activity today?)</p>	<p>Process Poster</p>

	<p>Mini-Challenge: Coastal Commotion</p> <p>Set the stage... Engage... Reflect</p>	<p>Materials/Resources/Handouts</p> <p>Video http://coastal.la.gov/whats-at-stake/</p>
<p>Set the Stage</p>	<p>Set Stage - Coastal Commotion</p> <ul style="list-style-type: none"> ▪ Show Video <ul style="list-style-type: none"> ○ What's at stake? ○ Definition of issue - Disappearing gulf coast ▪ How did it happen? ▪ What is being done to manage the problem 	<p>Materials</p> <ul style="list-style-type: none"> ▪ Handouts (Project Worksheet, Presentation Worksheet, Internet Sites, Rubric for judging projects) <p>Research and Media Sites</p>
<p>Engage</p>	<p>Challenge</p> <p>Pose the Challenge and Goals: Coastal Commotion Your engineering firm has been invited to bid on a coastal restoration project sponsored by the Concerned Citizens for Gulf Coast (CCGC). To prepare for this bidding process, you team will need to:</p> <ol style="list-style-type: none"> 1. Research a particular basin in danger, identifying location and issue. 2. Research solution recommended by CPRA (Coastal Protection and Restoration Authority) and list reasons why the solution is the most beneficial for agriculture, economy, and wildlife involved. <p>Directions (Review Criteria and Constraints)</p> <ol style="list-style-type: none"> 1. Teams will select basin location http://lacoast.gov/new/About/Basins.aspx http://www.mississippiriverdelta.org/restoration-projects/regions/ http://www.mississippiriverdelta.org/restoration-projects/map/ 2. Read file(s) and ASK questions 3. IMAGINE – Review possible solutions or improvements 4. RESEARCH Select solution and gather details. Use Worksheet (research the project and take notes on details such as 1) problem, 2) solution, 3) cost, 4) timeline, and how your company can help. Data: http://lacoast.gov/new/Projects/List.aspx 5. Create Pitch Presentation Using Powtoon 6. TEST Present to audience <p>3. Showcase Your Work</p> <ol style="list-style-type: none"> a. Teams will divide up presentation roles and present work b. A rubric used to provide feedback and to decide winners 	<ul style="list-style-type: none"> ▪ Project Lists, Value Assessments, Project Schedule, etc. http://lacoast.gov/new/Projects/Default.aspx ▪ Projects http://www.mississippiriverdelta.org/restoration-projects/overview/ ▪ Media and Fact Sheets http://www.mississippiriverdelta.org/mediaroom/ ▪ US Geological Society http://coastal.er.usgs.gov/gc-subsidence/index.html ▪ America's Wetlands Report https://www.americaswetland.com/assets/EFGCReport.pdf ▪ Print and online: Coastal Restoration Citizen's Guide http://lacoast.gov/products/BT_NEP_book.pdf ▪ Coastwide Monitoring System https://lacoast.gov/crms_viewer2/Default.aspx ▪ Miss Gulf Spill Restoration http://www.msrestoreteam.com/ProjectStoryMap/
<p>Reflect</p>	<p>Leaders close out day</p> <p>Survey!!!!</p>	

Handouts

Coastal Commotion Challenge

Challenge: Obtain funding for your organization's Coastal Restoration Project. USE KEY SITES TO GATHER INFO/PHOTOS

- <http://lacoast.gov/new/About/Basins.aspx>
- <http://lacoast.gov/new/Projects/List.aspx> **Each basin project has a fact sheet!**
- <http://www.mississippiriverdelta.org/restoration-projects/regions/>

Your organization will have 5 minutes to present your project to the Concerned Citizens for Gulf Coast (CCGC), the group designated to fund this project. The CCGC has a limited amount of funding, so it is your challenge to present the best case for spending public money.

Project Name:	Description of Location:
Cost:	
Project Type:	
Project Area:	
Wildlife, Agriculture:	Major Problem(s)
Selected Strategy	What did you select this strategy? Has it been successfully implemented elsewhere?

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1. Create text for your slides FIRST

2. Choose a "PRE-MADE Template



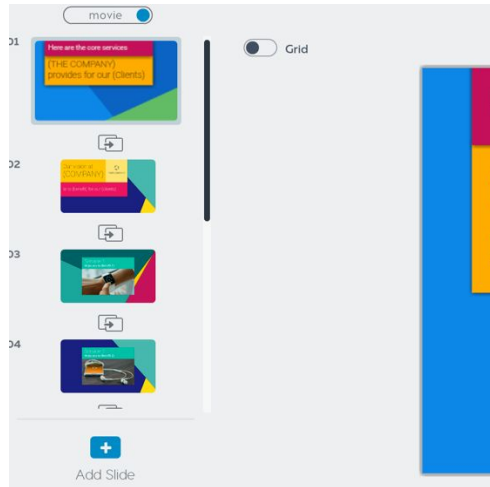
1. Select the WORK Category
2. Choose Product or Sales Category

Category: All | ▼

3. Review your template and CONTINUE



4. EDIT your Content. Select Slide Show and Save



Answer questions

Project Name:

Project Description:

Project Area:

Problem:

Threats to wildlife, economy, agriculture, etc.:

Strategy:

Risks:

Benefits:

Cost:

Wrap-up slogan: