

			MONDAY July 28th
8:30 -9:00	BRCC Cypress C106	Teachers/Lab manager BRCC	Introductions/ Safety Video by BRCC. Initial Assessment.
9:00 - 9:30	BRCC Cypress C106	Rick and Erika	Team building activity -- Balloons
9:30 - 10:30	BRCC - Cypress Bldng Room C106	Jeannette T./ leaders	BASICS: Density, Pressure, Heat, Electricity, Phase Change, Bernoulli. 30 min to learn their experiments 30 min to go around and learn others. Note cards at each station.
10:30-10:45			BREAK
10:45 - 11:15	BRCC - Cypress Bldng Room C106	Jeannette T.	All about ENERGY - Energy Cycle. Renewable and non renewable energy sources. How electricity is generated. Energy Challenge.
11:15 - 12:00	BRCC - Cypress Bldng Room C106	Jeannette T.	Introduction to the world of oil and natural gas
12:00-1:00	Cafeteria		LUNCH (eat at BRCC cafeteria)
1:00 - 1:30	BRCC - Cypress Bldng Room C106		Review for JEOPARDY Game
1:30 - 2:00	BRCC - Cypress Bldng Room C106	Rick and Erika	Energy race!! race outside.
2:00 - 3:00	BRCC - Cypress Bldng Room C106	Jeannette/Richard	JEOPARDY Game
3:00 - 3:15			BREAK
3:15- 3:40	BRCC - Cypress Bldng Room C106	Paul Thompson - Univar	Boiling Water at room temperature and Pressure Cooker (caramel)
3:30 - 4:30	BRCC - Cypress Bldng Room C106	Richard H	Egg drop
4:30 - 5:00	BRCC - Cypress Bldng Room C106	Richard H.	Egg drop energy calculation. Review factors that help egg drop performance

			TUESDAY July 29th
8:30-8:45	BRCC FRAZIER building Room 100	Jeannette T.	Introduce Today's lab
8:45 - 9:45	BRCC FRAZIER building Room 100	Richard H./ Jeannette T	TYPES OF ENERGY:15 minutes at each table. All groups do all activities. Wind Power, Solar power, Electrolysis H-power, Generator, Piezo, Steam boat. These activities will be captured in pics/video...
9:45 - 10:00			BREAK (drink chocolate milk cartoons)
10:00 - 11:00	BRCC FRAZIER building Room 100	Richard H.	ENERGY Storage (capacitor activity)
11:00 - 12:00	BRCC FRAZIER building Lab	Jeannette T	Engine Demo + Airplane Engine with propeller
12:00 - 12:30		Rick and Erika	LUNCH California Pizza Kitchen (225)766-3840
12:30 - 1:00	BRCC FRAZIER building Room 100	BRCC Staff	BRCC Presentation. What is available. Good college option
1:00 - 1:30	BRCC FRAZIER building Room 100	Rick and Erika	Game
2:00 - 3:00	BRCC FRAZIER building Lab	Jeannette, Richard, Khiet, Zi, Erika, Rick,	ACRYLICS CHE: Distillation column, cooling water, heat exchanger, centrifugal pump, boiler, three phase separator. Take pics and work on ppt
3:00 - 3:15			BREAK
3:15- 4:00	BRCC FRAZIER building Solar Lab	Amanda Stanley/Jeff Shaw- BRCC/Gulf Solar	SOLAR Power - Energy Efficient homes
4:00 to 5:00	BRCC FRAZIER building Room 100	Jeannette T.	Extracting crude Oil from the ground - Chocolate Milk Activity/ calculations
			Wednesday July 30th
8:30-9:00	CHE Junior Lab LSU	Jeannette T. /Khiet	Introduce Activities - overview of all stations. Goal/ life applications 5 minutes each rotate
9:30-10:30	CHE Junior Lab LSU	Dr. John Flake/ Leaders/ Erika	CHE. Frostboss, Tray Dryer, Water Chiller, Heat Exchanger fin and shell tube,gas Absorption, cooling water tower/ Chilled water AC

10:30-10:45			BREAK
10:45-11:00	CHE Junior Lab LSU	Leaders	Prepare presentations
11:00 -11:30	CHE Junior Lab LSU	Leaders	9 slides 20 seconds each per group. 10th slide is blank to allow groups to rotate
11:30-12:00	CHE outside	Richard H	Fun activity solar bag
12:00-12:30	CHE Junior Lab conference room	Steven/Shelly	LUNCH in CHE unit ops building. La Madeleine (225) 766-1875
12:30 - 1:00	CHE Junior Lab Conference Room	Tony Cupit/ Rick	Go over COGEN Plant process in CHE conference room building
1:00 - 2:00	COGEN Plant	Tony Cupit/ Rick	Tour of COGEN plant
2:00 - 2:15	walking		BREAK
2:15- 3:15	LSU Dairy	Kayanush Aryana, Marvin Moncada, Jeannette T.	REFRIGERATION: Three 15 minutes.(rotate) Initial set up: Group 1 and 2 eating ice cream (outside) Group 3 and 4 Process description lecture (in same room) Groups 5 and 6 Tour of the facility (ideally 2 instructors one with each group)
3:15 - 3:30			Walk back to LSU FWR
3:30- 5:00	LSU FWR	Richard H.	TYPES OF FUELS: Make cars and car races
			Thursday July 31st
8:30-9:00	Frank Walk Room LSU	Tom Swain	\$\$\$
9:00 - 10:30	Frank Walk Room LSU	Richard H	ROBOTICS
10:30-10:45			BREAK
10:45 - 11:00	Frank Walk Room LSU	Richard H	ROBOTICS
11:00 - 12:00	Frank Walk Room LSU	Jeannette/ Richard	Camp Highlights Review
12:00-12:30	FWR LSU	Steven/Shelly	LUNCH - Izzos (225) 214-0870 Burbank
12:30 - 1:30	Frank Walk Room LSU	Richard H	Introduction to raspberry pi
1:30- 2:30	Frank Walk Room LSU	Dr. Les Butler	Wolfram Alpha - ROH vs gas vs gasoline BTU's - Calories
2:30 - 3:00	Frank Walk Room LSU		Time to work on Presentations for tomorrow

3:00 - 3:15	Frank Walk Room LSU		BREAK
3:30 - 4:30	Frank Walk Room LSU	Karsten Thompson	Introduction to next day PERTT (sample calculations/ activities)
4:30 - 5:00	Frank Walk Room LSU		Time to work on presentations for tomorrow
			Friday August 1st
7:45	LSU PERTT lab	Steven/ Shelly	BREAKFAST for those who can to come early. Ney York Bagel Co. (225) 769-0224
8:00- 9:00	LSU PERTT Lab	Karsten Thompson	1st group tours the facility separated into 3 sub groups and does the U-tube demo
9:00 - 10:00	LSU PERTT Lab	Karsten Thompson	2nd group sees the production platform and cutaway tree, then does the Christmas tree competition separated into 3 small sub groups
10:00 - 10:15	walk		BREAK
10:15-11:00	La House LSU	Shandy Ogea	Video /tour/ Experiments
11:00-12:00	La House LSU	Joshua Brown	Video /tour/ Experiments
12:00-12:30	PERTT	Steven/Shelly	LUNCH (Kaminari- (225) 383-0999 next to LSU
12:30 - 1:00	LSU PERTT Conference Room	Jeannette T.	Final Assessment
1:00 - 1:45	LSU PERTT Conference Room	David Esquivel	SHELL oil Reps / human resources/ engineers/ operators...round table
1:45- 3:00	LSU PERTT Conference Room	Team Leaders/ Rick and Erika	Work on and Rehearse final PPT/ Video
3:00 - 4:00	LSU PERTT Conference Room	Energy Campers	Parents, Shell staff, teachers... Final Presentations
	PERTT	Steven/Shelly	Fruit basket- Cheese- Crackers