Date : 12 Feb 2026			
S5 : Train-the-Trainers & Networking: A Hands-On Masterclass by Dow & BBL			
Room : G12			
Time	**Presentation Code**	**Topic**	**Presenter**
13.00-18.00	S5-O-01	Extinguishing fire by using carbon dioxide obtained from an acid-base reaction	Farid Uddin Ahmad
	S5-O-02	Effect of concentration of reactant in a reaction	Rumayia Akter
	S5-O-03	The acid-base reaction between vinegar and baking soda: A green chemistry assessment	Md Imran Ali
	S5-O-04	Electroplating of copper	Saera Banoo
	S5-O-05	Identification of available acid and available base by using natural indicator and identification of produced gas by these acid-base reactions	Md. Nazrul Islam
	S5-O-06	Demonstration of a non-redox reaction	Jewel Perves
	S5-O-07	Innovative small-scale chemistry experiments for qualitative identification of ions and gases	Habibur Rahman
	S5-O-08	Identification test of cation and anion in table salt	Marzia Binta Rahman
	S5-O-09	Identifying ionic and covalent compounds through solubility and electrical conductivity	Hritu Malika Sinha
	S5-O-10	Observing reaction of different salts with NaOH	Habiba Sultana
	S5-O-11	Exploring the properties of acids and alkalis through microscale experiments	Theesha Thiruvengidam
	S5-O-12	Small scale, big inquiry: exploring neutralisation	Choy Wan Wong
	S5-O-13	Small-scale extraction of iodine using petroleum ether	Chia Chew PING
	S5-O-14	Redox equilibrium: voltaic cell	Jumasiah Arsyad
	S5-O-15	Blowing bubbles: integrating the 5E model and small-scale chemistry for teaching pH and ocean acidification	Norhaslinda Abdul Samad
	S5-O-16	Rate of electrolysis of different concentration of copper(II) sulphate solution to the product formed at cathode	Mohd Khalis bin Khalid
	S5-O-17	Reaction of carbonates: an acid and carbonates	Afiqah Ayoub Izaruddin
	S5-O-18	Enhancing understanding of redox reactions through practical engagement: Integrating the Chem-Redox Kit with microscale teaching in Malaysian secondary chemistry	Chm.Pn.Komathy Veerasinghan
	S5-O-19	Double displacement reaction: copper carbonate reaction using small scale chemistry experiment	Jan Loraine Jun Rivera

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	S5-O-20	A greener micro scale approach to chemistry education: a microscale double-displacement experiment on teaching precipitation reactions	Francisco T. Alcala Jr.
	S5-O-21	Oil and water don't mix	Mark Kevin Pangan Zita
	S5-O-22	Molarity of a sugar solution	Maribeth Bautista
	S5-O-23	Simple experiments set for studying reaction rate and factors affecting chemical reaction rate	Kamolphan Khongnonkok, Papawarin Ngokkhum, Waraporn Yodrungrueang
	S5-O-24	Small-scale chemical experiment on the law of conservation of mass and gypsum formation	Orawan Uasakul
	S5-O-25	Chromatic loop: A sustainable anthocyanin gel bead indicator system coupled with smartphone-based pH determination	Suwanna Amporndanai
	S5-O-26	Chemistry 3 in 1	Kaohom Komsakul, Kaomai Komsaku, Pimmada Hongthong
	S5-O-27	When vegetables release gas: A study of catalase enzyme activity in vegetables using the small-scale chemistry approach	Atina Patchanee
	S5-O-28	Soil quality and its impact on plant growth	Soradet Lertwathanawanit
	S5-O-29	Small-scale chemistry experiment: Reactions of acids with metals and bases with metals	Kanyarat Chanthara
	S5-O-30	Natural acid protein test	Arporn Noonto
	S5-O-31	A micro-scale kit for microplastic detection in soil	Phoomtawan Saengsuk
	S5-O-32	Reaction rate of weak acids under water-induced equilibrium perturbation as a substitute for using a strong acid	Wipawan Kangchai
	S5-O-33	An investigation of electrochemical mechanisms: metal electrodeposition and the separation of KI solutions	Monpriya Ratcharuk
	S5-O-34	Electrical properties of ionic compounds	Sitang Phusikun
	S5-O-35	Experiments to inhibit the enzymatic browning reaction of green apple using Thai fruits and plants	Ratchadaporn kitsuwan
	S5-O-36	Development of chemical small-scale experiment on factors affecting the rate of chemical reaction for Physical Science 1 (Chemistry) and Chemistry 3 at grade 11 level	Thanakorn Sirichantarangsee

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	S5-O-37	Tea detectives: Using tea extract to detect iron (rust) contamination in water	Palakorn Chanboon
	S5-O-38	Small-scale chemistry experiment on chemistry of natural dyeing and mordanting	Patiyan Jitludda
	S5-O-39	Kinetics of acetone reactions under acidic conditions	Wimolpat Promrin
	S5-O-40	A color-changing chemistry laboratory activity provides an effective way to learn oxidation numbers	Suwanna Srisanpang
	S5-O-41	Electrochemical Lab Setup 3 in 1	Uthaitip Injang
	S5-O-42	Natural indicator of acid-base droplet titration	Thanaporn Sukmeechai
	S5-O-43	Green small-scale chemistry innovation kits for investigating solution behavior and digital color analysis	Worrapatpong khrueyim
	S5-O-44	A gas diffusion experimental kit using anthocyanin extracts from local plants	Bunprapa Ounhaprateep
	S5-O-45	Creating and observing waves in hot and cold water with methylene blue solution	Chanapa Chokchaisuwan
	S5-O-46	Development of a small scale on the effect of concentration of substances on chemical equilibrium	Kanittakan Benjaphalaporn
	S5-O-47	Yellow search for Iron	Thanakorn Srapoo
	S5-O-48	Redox reaction	Rapeephan Suwantha
	S5-O-49	Household flame test	Pitchayut Khampunnip
	S5-O-50	Kinetics of electrochemical reactions through spectroscopic analysis	Nitjaree Sikarinkham