

Presentations for Clubs for 2023

Title	Description and Topics	Suitability
Disease Prevention & Treatment	Disease requirements, source of pathogen, mode of transmission, portal of entry, stress, compromised immune system, parasites and fungus symptoms & treatments, bacterial disease, viruses, quarantining.	Any Koi Club, All Koi keepers, basic overview.
Water Quality Introduction	The nitrogen cycle, the importance of water testing and what to test, what affects fish health, water changes, salt, source water considerations	Koi clubs, Beginning Koi keepers, Aquarium clubs, Any beginning fish keeper
Common Problems I see in Ponds	Pond problems divided into 3 categories – water quality, construction and disease. WQ includes water changes, testing. Construction includes circulation, water, filtration, pumps, bottom drains, plant shelves, work involved. Disease includes quarantine and chemicals.	Koi Clubs, All Koi keepers
Understanding Koi Behavior to Diagnose Problems	Koi behaviors/symptoms – Flashing, sitting on bottom, rapid breathing, changes in color, changes in shape, erratic swimming, fin erosion, sores, pop-eye, sudden death – description of symptom and normal behavior, causes and treatments for each	All Koi keepers, Koi Clubs, Anyone selling Koi
Nutrition	New Info on Koi Nutrition. Busting old myths. How to figure out what you should be feeding your Koi.	Koi Clubs where majority are not newbies. Pond professionals. All Koi Keepers beyond beginner level.
Retrofits	Perceived problems, basic problems. Fixes – plumbing, bottom drains, skimmers, aeration, overflow, refill, leak repair,	Koi clubs, All Koi keepers, Pond builders

	increase volume, add filtration, circulation, GFCI, lighting, UV, trickle towers, auto feeders, timers, safety. Good retrofits – bang for buck, unintended consequences, selecting a contractor	
Pond Improvements for Beauty and Health	What's right for you, considerations before starting, trade-offs, ponds designed for Koi health, how to improve 'commercial' pond designs and diagrams, pumps, filtration designs and diagrams, making a pond look beautiful – tips and tricks	Pond Builders, Koi clubs, folks that have ponds that they want to improve for healthy Koi
Garden Ponds (Comparing Ponds)	3 kinds of ponds – water features, goldfish ponds and Koi ponds, their differences and requirements, advantages and disadvantages. Extra slides at end – Do's and Don'ts, overview WQ, filtration types	Garden Clubs, Aquarium Clubs, Koi Clubs where members are just learning about ponds
Koi Appreciation – Kohaku	Vocabulary, overview of appreciation, Shiroji, Odome, separation method for comparing Koi; pattern balance, complexity, flow, future, as art; importance of face, Maki, Sashi and Kiwa, how patterns change	All Koi keepers
Aesthetic Qualities of Ponds	Informal and formal designs, advantages and comparisons, goals of construction, pond placement, tips and tricks to make ponds look more natural, waterfall aesthetics	Koi clubs, Pond builders, anyone planning a pond
Quarantine	Q is for more than sickness – it's about any time you need to keep Koi in a small tank for any reason. Options for short, medium and long term	Koi clubs, All Koi keepers. Suitable for beginners, but something for everyone.

	quarantine. What needed and why.	
Things You Can Do to Be a Better Koi Keeper	Clean system, water changes and fail-safes, increase oxygen, warm water, feeding, retrofits – filter, pump, bottom drain, skimmer, autofeeder, aeration. Be prepared – list. Know your dealers and experts, vets	Koi clubs, All Koi keepers. Excellent for beginners, very comprehensive
Pond Water Reuse – a Practical System	Why we need to save water, why we do water changes in a Koi pond, ongoing water shortages Discussion of low tech and high tech conservation for Koi ponds, one practical example of reuse and refill with full schematics.	Koi clubs – especially those in drought areas. Pointed towards those who are handy with projects, but good information for all.
Anoxic Filtration – How it improved my Pond	How Anoxic Filtration works, conversion to anoxic and requirements, how the system was built, conclusions on improvements of Koi Health	Koi Clubs – intermediate to advanced. All Koi Keepers.
In Search of the Magic Juice	Things that have been Proven effective for improving your pond and health of your Koi	Excellent for beginners, All Koi Clubs, nice review and a helpful thing or two for the intermediate to advanced Koi Keeper.