

What you'll learn:

1) History of

- Sea Kayak Touring
- Sea kayak guiding
- Certification in sea kayaking

2) Leadership. The lessons will focus on

- Expectations and responsibilities of guides
- Leadership and followership
- Decision making and problem solving
- Situational leadership
- General styles of leadership
- Stages of group development
- Conflict resolution
- A leader's toolbox of skills
- Expedition behavior
- Group management
- Risk management
- Legal liability and the outdoor leader

3) Conservation Ethics. The lessons will focus on

- Broken window theory
- SKGABC low impact activity guidelines
- Dealing with waste and garbage

4) Towing. The lessons will focus on

- Reasons we might want to tow.
- Alternatives to towing.
- Types of tows.
- Tow systems essentials.

5) Tarpology 101. The lessons will focus on

- Securing your tarp
- Tarp site and selection
- Strategies for storm-proofing a tarp
- Which tarp should I buy?
- Basic configuration for setting up a tarp

6) Communication. The lessons will focus on

- One-way communication like flares and whistles.
- Two-way communication like VHF radio and satellite phone.

7) Logistics. The lessons will focus on

- Trip planning
- Pre-launch checklist
- Guides check-in
- The water talk
- Follow up
- Incident and accident reports
- Leader logbooks
- Incident response planning

8) Sea Kayak Guides Alliance of British Columbia (SKGABC). The lessons will focus on

- The SKGABC has an organization
- Guide requirements
- SKGABC safety standards

9) How to read and use a marine chart. The lessons will focus on

- The difference between charts and maps
- Topographic map symbols
- Chart projections
- Latitude and longitude
- Scale
- Measuring distance
- Reporting your position
- Marine chart symbols
- Depths and depth contours
- Heights and height contours
- The intertidal zone
- Hazard symbols
- Special areas and boundaries
- Aids to navigation

10) Practical navigation techniques. The lesson will focus on

- Basic piloting
- Effect of wind on speed
- Checkpoints
- Handrailing
- Backstops
- Aiming off
- Range and line of position
- The narrative of navigation
- The circles of possibility

11) Kayak Transportation

12) Collision Regulations. The lessons will focus on

- The 3R's for avoiding a collision
- Navigation Lights
- Canadian collision regulations
- Vessel Traffic Services
- Ships whistles and horns

13) Navigating with a compass and electronic navigation. The lessons will focus on

- The marine compass
- The orienteering compass
- True, grid and magnetic north
- The variation, declination and deviation
- The magnetic dip
- Bearing, heading and course
- How to use the compass
- Bisects and triangulation
- Dead reckoning with a compass
- Navigation tips to be efficient
- Tactics in low visibility, especially in fog or at night
- Electronic Navigation

14) A better understanding of the how swell and waves are formed and how they affect watercraft. The lessons will focus on

- The Beaufort Scale
- Rebounding waves
- Refracting and diffracting waves
- Boomers
- Clapotis
- Storm Surge
- Seiche Waves
- Tsunami
- Surf

15) A better understanding of how to paddle in the ice. More specifically, you will learn

- The different types of ice
- The hazards caused by icebergs and glaciers

16) A better understanding of tides and currents, their origin and how they impact watercraft. The lessons will focus on

- Variables affecting the tides
- Types of currents
- Surface features of a current
- Paddling in currents

- Where to get information about tides and currents
- Calculating tide heights and times
- Rule of 12ths
- Rule of 50/90
- Doug and Mike's most excellent rule of 25%
- Calculating current speed, direction and times with maximum rates
- Calculating current speed, direction and times with percentage rates
- Calculating current speed, direction and times with interpolation
- Rule of Thirds
- Slack Water Rule

17) A better understanding of how weather systems are formed and affect you. The lessons will focus on

- Barometric pressure
- Clouds
- Cells
- Jet streams
- Air masses
- High pressure systems
- Low pressure systems
- Frontal systems
- Precipitation
- Wind speed
- Wind direction
- Coriolis effect
- Buys ballot and the cross winds rule
- Gap winds
- Corner winds
- Lee effects
- Fog
- Sea breezes and land breezes
- Katabatic and anabatic winds
- Waterspouts
- Thunderstorms and lightning
- Regional patterns across Canada

18) You'll develop skills and knowledge how to record and interpret marine weather. The lessons will focus on

- Developing competency in recording the marine weather forecast on the VHF radio
- Understanding the different type of information broadcasted
- Learning essential tips
- Developing a shorthand
- Reading synoptic weather charts
- Great resources for interpreting weather

- How to make predictions and decisions

19) Dressing for sea kayaking

20) Safety equipment

21) Risk to humans from wildlife

22) Dealing with food and water

23) Harvesting food

24) And much more...