

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) And much more...