

What you'll learn:

- 1) History of sea kayak touring.
- 2) Selecting the right kayak.
- 3) Dressing for sea kayaking.
- 4) Packing your kayak for touring.
- 5) About the safety equipment.
- 6) Transporting your kayak.
- 7) Managing the risks.
- 8) About group dynamics.
- 9) How to plan a trip.
- 10) Conservation Ethics. The lessons will focus on
 - Broken window theory.
 - SKGABC low-impact activity guidelines.
 - Dealing with waste and garbage.
- 11) Dealing with food and water. The lessons will focus on
 - Different ways to treat water with their advantages and disadvantages.
 - Strategies to deal with food preparation before and during your trip.
- 12) Basic first aid and first aid kit
- 13) Tarpology. 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.
- 14) Towing. The lessons will focus on
 - Reasons we might want to tow.
 - Alternatives to towing.
 - Types of tows.
 - Tow systems essentials.

15) One-way and two-way communication.

16) Risk to humans from wildlife.

17) Risk management for leaders.

18) What makes a leader?

19) 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.

20) 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.

21) Advanced practical navigation techniques. The lessons will focus on

- Vectors and calculating the effects of currents on speed.
- Rule of 60 and the small angle rule.
- Tools for judging distances.

22) 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.

23) 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.

24) A better understanding of 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.

25) 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.

26) 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.

27) 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.

28) You'll develop skills and knowledge of 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 types of information broadcasted.
- Learning essential tips.
- Developing a shorthand.
- Reading synoptic weather charts.
- Great resources for interpreting weather.
- How to make predictions and decisions.

29) And much more...