

# ORIENTEERING AT SCHIFF SCOUT RESERVATION



## Leader's Guide

SPONSORED BY THE SAGAMORE SERVICE TROOP  
PINE TREE ORIENTEERING TEAM



# INTRODUCTION

There are three Orienteering courses at Schiff Scout reservation: Beginner, Intermediate and Advanced. The courses are designed to offer challenges to scouts at all skill levels. This document is intended as a leader's guide to running an orienteering event using the courses at Schiff.

Orienteering can be run either as a timed competition event or in a non-competitive way to teach scouts how to navigate in the wilderness.

## Orienteering Events

An Orienteering course consists of a number of objects called **controls** that are placed around the camp. These controls are **white PVC pipes** which stand about 3 feet high. Each control is numbered. Each control also is assigned a letter, which is used to prove the participant has found the control. The participants must visit each control and record the number and corresponding letter on the participant's control card. The participant who correctly visits each control and returns to the start in the least amount of time, wins the event.

The participants are given maps which contain the location of all of the controls on the course. The challenge is to use the map and compass to navigate to all of the controls.

## The Courses

All of the courses at Schiff are designed as loops, that is, they start and end at the same point.

**Beginner** The beginner course is the shortest course. All of the controls are on the Cub side of the camp.

**Intermediate** The intermediate course takes the participants around Deep Pond.

**Advanced** The advanced course brings the participants around the fire road and is the longest course. The participants will walk through most of the camp.

**Starting Point** All of the courses have the same starting and ending point –the Lyon Shower.

## Answer Key

The answer key for each course is given on the bottom of the course control sheet.

BASIC		INTERMEDIATE		ADVANCED	
1	H	2	P	5	Q
2	P	7	A	8	Z
3	T	8	Z	10	R
4	L	9	D	18	B
5	Q	10	R	17	Y
6	W	11	E	16	F
		12	S	15	M
		13	C	14	G

## Materials

In order to run an Orienteering event, you will need the following materials:

**Maps** One for each participant or group of participants.  
The maps contain the position of all of the controls on the course.

**Clue Sheets** One for each participant or group of participants.  
Clue sheets identify a terrain feature in which the control is sited.

**Control Cards** One for each participant or group of participants.  
As the participants visit the controls, they record the number of the control and the letter found on the control on their control card. This is how the participants prove they have visited the control.

**Control Sheet** One per event. The leader who is running the event should record the name of the participant (or team if doing it in groups) and the start time and end times.

All of these materials are available at the ranger station, at the Council office and the Council website ([www.trcbsa.org](http://www.trcbsa.org)).

## ***Running an Event***

1. Give each participant (or group of participants) a map, clue sheet and control card. Explain to them how to use the clues and the control card.
2. If this is their first Orienteering event for the Scouts, explain that they are looking for white PVC pipes. Each pipe has a number and a letter on it. Explain that they must write the number of the control and the letter on their control card to prove they found the control.
3. On the control sheet, write the participant name and the time that participant started the course. The start time is written on the participant's control card also.
4. Stress to the participant that he/they ***must return to the start*** regardless of whether or not they find all of the controls.
5. When the participant returns, record his return time and elapsed time on the participant's control card and on the control sheet.

## ***Suggestions***

1. Use the buddy system. At least two scouts must run the course together. No lone scouts.
2. If you have enough leaders, have an adult accompany each participant/group. The leader is not there to help, but to make sure the scouts don't go too far a field and return to the starting point.
3. Our experience running the basic course is that it takes anywhere from 20 minutes to 3½ hours to complete the course, depending on the participant's skill level.
4. Remind the participants when they start that the first thing they should do is orient their map and keep orienting their map as they walk along.
5. Remind the participants that Orienteering is primarily about map reading. They should not have to shoot bearings to find controls. Use the map and match the terrain to find the controls.

## **DOCUMENTS TO BE REPRODUCED**

The following pages contain documents that can be reproduced as needed. It is not necessary to give all of them to each group. The documents needed depend on the course the unit will be running.

## PINE TREE ORIENTEERING COURSE CONTROL SHEET

Team/Leader Name	Site	Course <sup>1</sup>	# Scouts	Start Time	End Time	Elapsed Time

BASIC		INTERMEDIATE		ADVANCED	
1	H	2	P	5	Q
2	P	7	A	8	Z
3	T	8	Z	10	R
4	L	9	D	18	B
5	Q	10	R	17	Y
6	W	11	E	16	F
		12	S	15	M
		13	C	14	G

<sup>1</sup> B = Beginner, I = Intermediate, A = Advanced

# BEGINNER COURSE – CLUE SHEETS

BEGINNER	
1	Trail Bend
2	South of Spur
3	Middle of Re-entrant
4	East of road bend
5	Bottom of Re-entrant
6	Spur

BEGINNER	
1	Trail Bend
2	South of Spur
3	Middle of Re-entrant
4	East of road bend
5	Bottom of Re-entrant
6	Spur

BEGINNER	
1	Trail Bend
2	South of Spur
3	Middle of Re-entrant
4	East of road bend
5	Bottom of Re-entrant
6	Spur

BEGINNER	
1	Trail Bend
2	South of Spur
3	Middle of Re-entrant
4	East of road bend
5	Bottom of Re-entrant
6	Spur

BEGINNER	
1	Trail Bend
2	South of Spur
3	Middle of Re-entrant
4	East of road bend
5	Bottom of Re-entrant
6	Spur

BEGINNER	
1	Trail Bend
2	South of Spur
3	Middle of Re-entrant
4	East of road bend
5	Bottom of Re-entrant
6	Spur

BEGINNER	
1	Trail Bend
2	South of Spur
3	Middle of Re-entrant
4	East of road bend
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6	Spur

BEGINNER	
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4	East of road bend
5	Bottom of Re-entrant
6	Spur

BEGINNER	
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3	Middle of Re-entrant
4	East of road bend
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4	East of road bend
5	Bottom of Re-entrant
6	Spur

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3	Middle of Re-entrant
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4	East of road bend
5	Bottom of Re-entrant
6	Spur

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2	South of Spur
3	Middle of Re-entrant
4	East of road bend
5	Bottom of Re-entrant
6	Spur

BEGINNER	
1	Trail Bend
2	South of Spur
3	Middle of Re-entrant
4	East of road bend
5	Bottom of Re-entrant
6	Spur

# BEGINNER COURSE – CONTROL CARDS

BEGINNER COURSE		
Control	Letter	Team Name
1		
2		Start Time:
3		
4		End Time:
5		
6		Elapsed Time:

BEGINNER COURSE		
Control	Letter	Team Name
1		
2		Start Time:
3		
4		End Time:
5		
6		Elapsed Time:

BEGINNER COURSE		
Control	Letter	Team Name
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4		End Time:
5		
6		Elapsed Time:

<b>BEGINNER COURSE</b>		
Control	Letter	Team Name
1		
2		Start Time:
3		
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5		
6		Elapsed Time:

<b>BEGINNER COURSE</b>		
Control	Letter	Team Name
1		
2		Start Time:
3		
4		End Time:
5		
6		Elapsed Time:

<b>BEGINNER COURSE</b>		
Control	Letter	Team Name
1		
2		Start Time:
3		
4		End Time:
5		
6		Elapsed Time:

# INTERMEDIATE COURSE – CLUE SHEETS

INTERMEDIATE	
2	South of spur
7	East side of depression
8	Southeast edge of pine grove
9	Southeast of trail & road junction
10	West of ditch
11	East of clearing
12	West of knoll
13	West of trail junction

INTERMEDIATE	
2	South of spur
7	East side of depression
8	Southeast edge of pine grove
9	Southeast of trail & road junction
10	West of ditch
11	East of clearing
12	West of knoll
13	West of trail junction

INTERMEDIATE	
2	South of spur
7	East side of depression
8	Southeast edge of pine grove
9	Southeast of trail & road junction
10	West of ditch
11	East of clearing
12	West of knoll
13	West of trail junction

INTERMEDIATE	
2	South of spur
7	East side of depression
8	Southeast edge of pine grove
9	Southeast of trail & road junction
10	West of ditch
11	East of clearing
12	West of knoll
13	West of trail junction

INTERMEDIATE	
2	South of spur
7	East side of depression
8	Southeast edge of pine grove
9	Southeast of trail & road junction
10	West of ditch
11	East of clearing
12	West of knoll
13	West of trail junction

INTERMEDIATE	
2	South of spur
7	East side of depression
8	Southeast edge of pine grove
9	Southeast of trail & road junction
10	West of ditch
11	East of clearing
12	West of knoll
13	West of trail junction

INTERMEDIATE	
2	South of spur
7	East side of depression
8	Southeast edge of pine grove
9	Southeast of trail & road junction
10	West of ditch
11	East of clearing
12	West of knoll
13	West of trail junction

INTERMEDIATE	
2	South of spur
7	East side of depression
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8	Southeast edge of pine grove
9	Southeast of trail & road junction
10	West of ditch
11	East of clearing
12	West of knoll
13	West of trail junction

# INTERMEDIATE COURSE – CONTROL CARDS

INTERMEDIATE COURSE		
Control	Letter	TEAM NAME:          START TIME:          FINISH TIME:          ELAPSED TIME:
2		
7		
8		
9		
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11		
12		
13		

INTERMEDIATE COURSE		
Control	Letter	TEAM NAME:          START TIME:          FINISH TIME:          ELAPSED TIME:
2		
7		
8		
9		
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11		
12		
13		

INTERMEDIATE COURSE		
Control	Letter	TEAM NAME:
2		START TIME:  FINISH TIME:  ELAPSED TIME:
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13		

INTERMEDIATE COURSE		
Control	Letter	TEAM NAME:
2		START TIME:  FINISH TIME:  ELAPSED TIME:
7		
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13		

INTERMEDIATE COURSE		
Control	Letter	TEAM NAME:
2		START TIME:  FINISH TIME:  ELAPSED TIME:
7		
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13		

INTERMEDIATE COURSE		
Control	Letter	TEAM NAME:
2		START TIME:  FINISH TIME:  ELAPSED TIME:
7		
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10		
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12		
13		

# ADVANCED COURSE – CLUE SHEETS

ADVANCED	
14	On trail top of ridge
15	East of trail bend
16	Top of ridge
17	East of trail junction
18	West end of trail
10	West of ditch
8	Southeast edge of pine grove
5	Bottom of re-entrant

ADVANCED	
14	On trail top of ridge
15	East of trail bend
16	Top of ridge
17	East of trail junction
18	West end of trail
10	West of ditch
8	Southeast edge of pine grove
5	Bottom of re-entrant

ADVANCED	
14	On trail top of ridge
15	East of trail bend
16	Top of ridge
17	East of trail junction
18	West end of trail
10	West of ditch
8	Southeast edge of pine grove
5	Bottom of re-entrant

ADVANCED	
14	On trail top of ridge
15	East of trail bend
16	Top of ridge
17	East of trail junction
18	West end of trail
10	West of ditch
8	Southeast edge of pine grove
5	Bottom of re-entrant

ADVANCED	
14	On trail top of ridge
15	East of trail bend
16	Top of ridge
17	East of trail junction
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ADVANCED	
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15	East of trail bend
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17	East of trail junction
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10	West of ditch
8	Southeast edge of pine grove
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# ADVANCED COURSE – CONTROL CARDS

ADVANCED COURSE		
Control	Letter	TEAM NAME:     START TIME:     FINISH TIME:     ELAPSED TIME:
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ADVANCED COURSE		
Control	Letter	TEAM NAME:     START TIME:     FINISH TIME:     ELAPSED TIME:
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<b>Control</b>	<b>Letter</b>	TEAM NAME:   START TIME:   FINISH TIME:   ELAPSED TIME:
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<b>ADVANCED COURSE</b>		
<b>Control</b>	<b>Letter</b>	TEAM NAME:   START TIME:   FINISH TIME:   ELAPSED TIME:
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<b>ADVANCED COURSE</b>		
<b>Control</b>	<b>Letter</b>	TEAM NAME:   START TIME:   FINISH TIME:   ELAPSED TIME:
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<b>ADVANCED COURSE</b>		
<b>Control</b>	<b>Letter</b>	TEAM NAME:   START TIME:   FINISH TIME:   ELAPSED TIME:
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# MASTER MAPS

The following pages are the maps for each of the courses. They should be reproduced and given to participants.