



### **ALF ENGEN SKI MUSEUM FIELD TRIP**

# TEACHER'S GUIDE

# Alf Engen Ski Museum Foundation Mission Statement

To preserve the rich history of skiing in the Intermountain Region by providing a world-class facility, which highlights the many contributions made in ski area development, athletic competition, snow safety, ski innovation, and ski teaching methods.

The specific goals to accomplish this mission include:

- Providing an educational, and entertaining interactive presentation of materials that are related to the core curriculum of schools in the state of Utah.
- Providing a rich assortment of interactive displays, which allow visitors to gain insight
  into many of the ski legends and ski pioneers who played key roles in the development
  of winter sports throughout the Intermountain area.
- Providing a vast assortment of historical artifacts which increase the public's overall awareness of our skiing heritage.

Copyright © 2002 by the Alf Engen Ski Museum Foundation

All rights reserved. Permission is granted for reproduction of these materials by Utah teachers only for individual classroom use. All others must obtain written permission from the Alf Engen Ski Museum Foundation Board of Trustees to reproduce these materials by any means, either mechanical or electronic.

#### **Authors:**

Cathleen Edwards
Barbara Engen
Dan Johnston
Kaylene Sandal
David Seiter
Sheri Sohm
Meri-Lyn Stark

#### **Editors:**

Barbara Engen -- Chief Editor for the Alf Engen Ski Museum Foundation David Seiter -- Chief Editor for Uintah Education

#### Alf Engen Ski Museum Foundation Education Committee:

Barbara Engen, Chair David Amidon Dr. Vicky Dahn Don Hague Barbara Marsh Dr. Bonnie Morgan Dr. Greg Thompson Ted Wilson

Produced by Uintah Education, 5145 South 1750 West Suite 300, Roy, UT 84067

Photographs courtesy of the University of Utah J. Willard Marriott Library, Utah Ski Archives, and the Alan Engen Ski History Collection, unless otherwise noted.

The Alf Engen Ski Museum Foundation was established in 1989 for the purpose of constructing a modest ski museum in honor of ski legend, Alf Engen. With the selection of Salt Lake City to host the 2002 Olympic Winter Games, the museum concept was dramatically expanded to include a Salt Lake 2002 Olympic gallery and other features, which would transform the modest ski museum concept into a winter sports cultural center.

In recognition of a lead gift from the S.J. and Jessie E. Quinney Foundation and the life-long friendship of U.S. Ski Hall of Fame members, Alf Engen and Joe Quinney, the Engen Foundation board of trustees unanimously agreed that the facility should be named the Joe Quinney Winter Sports Center with the Alf Engen Ski Museum as the primary attraction.

# TABLE OF CONTENTS

#### 1.0 Introduction

1.1 Teacher's Background Guide to Different Kinds of Skiing

#### 2.0 Utah, This is the Place!

- 2.1 Secret #1: How Does Science Help Ski Jumpers?
- 2.2 Secret #2: How did Utah Become THE PLACE for Winter Sports?
- 2.3 Secret #3: How Could a City in the Desert Hose the Olympic Winter Games?
- 2.4 Secret #4: Does Utah Have Skiing Legends? Yes!

#### 3.0 Pre-Visit Lessons

- 3.1 A Brief History of Skiing in Utah Social Studies History
- 3.2 Comparing the Lands Social Studies History
- 3.3 Nordic Skiing Language Arts Museum Exhibit
- 3.4 Fly Like an Eagle Language Arts Museum Exhibit

#### 4.0 Pre- and Post-Visit Lessons

- 4.1 Heroes and Legends Language Arts Museum Exhibit
- 4.2 Creating a Legacy Language Arts & Social Studies Museum Exhibit
- 4.3 Evolution of Grunge and Snowboarding Language Arts Museum Exhibit

#### 5.0 Anytime Lessons

- 5.1 Utah Ski Resorts Social Studies
- 5.2 Alpine Skiing
- 5.3 Location, Location Science
- 5.4 Be a Weather Forecaster Science
- 5.5 Walter Molecule Introduces the Water Cycle Science

#### 6.0 Additional Reading

#### 7.0 Answer Keys

#### 8.0 Glossary

#### 1.0 Introduction to Teachers

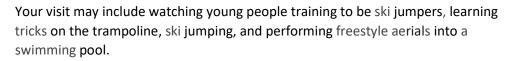
#### **Utah Winter Sports: Field Trip**

The Alf Engen Ski Museum welcomes you and your class as you prepare to visit us at the Joe Quinney Winter Sports Center located at the Utah Olympic Park in Park City, Utah. We think you'll be amazed at all you will learn! Have fun as you prepare your students for this hands-on educational experience by using the pre-visit activities in this book, all based on Utah State Core Curriculum concepts.

While at the Alf Engen Ski Museum, search for the answers to our "Utah Winter Sport Secrets" challenge, and watch your students gain a deeper understanding of the importance of science, social studies, and language arts in the world of sports. After your visit, reinforce what your students have learned with the post-trip activities found in this book. We are excited to have you and your students participate in the Alf Engen Ski Museum experience!

#### **Utah Olympic Park**

A tour of the park will take you to the track where Olympians competed in bobsledding, luge, and skeleton. You will see where medals were won and Olympic heroes were made.





#### The Alf Engen Ski Museum

The Alf Engen Ski Museum was built to preserve the rich history of skiing in Utah. Displays focus on the development of skiing, changes in athletic competition, snow safety, ski innovation and ski instruction.

#### While at the Museum you will:

Watch an introductory film showing how skiing has changed over time and the influence of early skier Alf Engen.

Participate in the interactive displays found in the Alf Engen Ski Museum.

Tour the Utah Olympic Park and see several Olympic venues.

During a class visit to the Alf Engen Ski Museum and through pre-field trip lessons, students will have authentic learning experiences that reflect Utah's fascinating and ever-changing history.

Through this unit of study students will:

- Improve literacy and comprehension through the reading and study of the pre-field trip background information.
- Learn and experience numerous Utah State Core Curriculum requirements in science, social studies, and language arts.
- Relate how Utah's winter sports industry reflects and influences Utah's economy.
- Discuss ways in which Utah's natural resources are valued.
- Explore the history of Utah skiing and the history of Park City.
- Read and discuss the biographical sketches of local sports legend Alf Engen and philanthropist and ski area developer Joe Quinney.
- Review how technology, immigration, historical changes, economic values, weather, tourists and local leaders have played an important role in the growth of the winter sports industry in Utah.

#### **Teacher Field Trip Information**

- No food or drink is allowed in the museum area.
- We request students not bring back- packs or other personal belongings (headsets, electronic games etc.)
- Maximum number of students for each field trip is 65-70
- Before arriving at the Utah Olympic Park, please divide your students into two even groups.
- Plan to spend two and a half hours at the Park, including one hour in the museum.
- Upon arrival, students will first view the introduction film, then half of the students will tour the venues while the other half tours the museum. After ap- proximately one hour the two groups will switch places.
- Please provide an adult chaperone for every 5 8 students.

#### **How to Use this Book**

The Alf Engen Ski Museum Activities Book was written by teachers for teachers with the goal of providing high-interest lessons that teach Utah Core Curriculum concepts and directly correspond to the field trip experience. Through these lessons, students will experience the relevance of what they learn in class to the real world, particularly the world of winter sports.

The Activities Book is divided into several areas. The first section pertains to "Secrets" or background reading material for the students use in classroom reading instruction. Copy this material for each student.

This information will increase the educational value of the field trip experience. The reading section can be used to strengthen reading com- prehension, to learn vocabulary and spelling words and as a component of classroom social studies instruction.

Please read the lessons carefully as there are many pre- and post-visit activities. Lessons are centered around four key areas: Science and Technology, History, Economics, and the Water Cycle. At the end of the activities, you will find additional readings, a glossary, and Scavenger Hunt questions.

We hope that you and your students enjoy your experiences at the Alf Engen Ski Museum!

Information about the Alf Engen Ski Museum at the Joe Quinney Winter Sports Center is available on our website, www.engenmuseum.org.

Reference to Alf Engen scrapbooks held in the J. Willard Library can be found at www.lib.utah.edu.

The Utah Ski Archives, www.skiarchives.org

Park City Historical Society & Museum, www.parkcityhistory.org



- . VINTAGE SKI FASHION/DIVERSITY AND INCLUSION
- 2. INTERMOUNTAIN SKI HALL OF FAME
- MUSEUM THEATER
- JOE QUINNEY CORNER
- THE GREATEST SNOW ON EARTH
- MOUNTAIN SPORT SIMULATOR
- 7. TAKE FLIGHT SKI JUMPING

- 8. ALF ENGEN: KING OF THE HILL
- 9. EVLUTION OF SKIS
- 10. UTAH SLOPES
- 11. AVALANCE: BRUTE FORCE
- 12. AVALANCHE: PHOTOBOOTH
- 13. PINBALL SLOLOM
- 14. STEIN ERIKSON
- 15. HOMETOWN HEROS

# SECOND FLOOR:

- 16. 2002 UTAH WINTER OLYMPIC GAMES
- 17. FREESTYLE SKIING
- 18.PARALYMPICS / CURLING / HOCKEY

