



## Intro to Tech Instructor Program

- ▶ Welcome and Course Overview
- ▶ The TDI Instructor
- ▶ Dive Leader Risk Management
- ▶ Methods of Instruction
- ▶ Business Side of Diving
- ▶ Teaching the TDI Intro to Tech Diver Program

The TDI Intro to Tech Instructor Program bridges the gap between sport diving and technical diving worlds, and may be the first TDI Leadership level an instructor completes. Any SDI Instructor who is certified as a TDI Advanced Nitrox and Decompression Procedures diver or a TDI Advanced Nitrox and Decompression Procedures Instructor may qualify to attend the TDI Intro to Tech Instructor program. If this is the first program they are completing through TDI, more time will need to be spent on the core topics listed below. Once an instructor has completed their initial TDI Intro to Tech Instructor program, or any initial TDI Instructor program, they will need only to focus on the course specific content for future programs.

## Objectives

### The object of this program is to:

- Introduce the instructor to TDI
- Introduce the candidate to the TDI Instructor Guide and Student materials
- Demonstrate how to use the TDI Intro to Tech materials to train a new diver
- Teach the instructor “How to Conduct” the TDI Intro to Tech Diver program
- Demonstrate how to register and certify a new TDI Intro to Tech diver

## Prerequisites for TDI Intro to Tech Instructor Program

See the current TDI Intro to Tech Instructor standards for the prerequisites and requirements for this program.

## Materials Required

Teaching any program with outdated materials is just asking for problems. The trainer must confirm that their materials are current and each instructor has the current materials with which to teach the program.

## Instructor Trainer

- TDI Intro to Tech Diver Manual
- TDI Intro to Tech Diver Knowledge Quest
- TDI Intro to Tech Instructor Guide
- TDI Intro to Tech PowerPoint Presentation
- TDI Instructor Trainer Manual



## Instructor Candidate

- TDI Intro to Tech Diver Manual
- TDI Intro to Tech Diver Knowledge Quest
- TDI Intro to Tech Instructor Guide
- TDI Intro to Tech PowerPoint Presentation®

Note: Prior to beginning the program the instructor candidate should review all instructor and diver materials and complete all knowledge quests and final exams so they are completely familiar with the subject matter and the support materials to teach the TDI Intro to Tech Diver program.

## The topics to be covered are:

- Welcome and Course Orientation
- The TDI Instructor\*
- Dive Leader Risk Management\*
- Methods of Instruction\*
- Business Side of Diving\*
- Courses a TDI Instructor Can Teach Intro to Tech

\*Core Topics: These core topics will be found in Part One of this manual; IT Information.



# Welcome and Course Overview

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## Paperwork

- Instructor Registration Form
  - Personal Information
- Liability Release
- Medical Statement

## Let's Get to Know Each Other

### Professional Staff

### Participants

- Your name?
- What type of technical diving experience do you have?
- Which technical diving activities interest you the most?
- Why are you interested in becoming a technical instructor?

## About This Program

### Course Objective

- Develop the appropriate knowledge and skills that are expected of every dive professional



## Subject Areas

- The TDI Instructor
- Dive Leader Risk Management
- Methods of Instruction
- Business Side of Diving

## Structure and Schedule

- Independent Study
- Classroom Presentations
- Confined Water Training
- Open Water Training

## Required Equipment

- Items you'll need for this course

## Any Questions?

# The TDI Instructor

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Refer to Instructor Trainer Manual Part 1 Instructor Training Process  
Chapter 2-The SDI/TDI/ERDI Instructor

# Dive Leader Risk Management

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Refer to Instructor Trainer Manual Part 1 Instructor Training Process  
Chapter 3-Dive Leader Risk Management



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## Methods of Instruction

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Refer to Instructor Trainer Manual Part 1 Instructor Training Process  
Chapter 4-Methods of Instruction

## Business Side of Diving

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Refer to Instructor Trainer Manual Part 1 Instructor Training Process  
Chapter 5-Business of Diving

## Teaching the TDI Intro to Tech Diver Program

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- Program overview
  - Classroom requirements

In the classroom, students should become familiar with:

- basic equipment
- physics and physiology as they pertain to technical diving
- use of tech diving formulas

- Pool / confined water requirements

- The Intro to Tech Instructor must be well versed in available technical diving equipment so they can make helpful suggestions to student divers in light of their changing needs as they progress into the technical diving field.

Although a pool/confined water session is not required, an instructor may take this opportunity to conduct an update with divers who



have been inactive for a period of time, or conduct a skill evaluation to help the students become better divers. The pool / confined water session would be an opportune time to expose the students to the equipment they will be using in the open water under a controlled environment.

- Open Water Requirements
  - During the open water dives the students will be performing and mastering the various skills that are used in technical diving such as: weight check, fine tuning buoyancy, s-drill, deploy a surface marker and a valve drill if double cylinders are used.
- Materials
  - Review all diver materials to make sure the instructor candidate is familiar with all diver materials and how they are supported by the instructor materials.
    - Diver Materials
      - Online
      - Printed
  - Required paperwork
    - Discuss in detail how the instructor should complete the required paperwork
    - The instructor candidate must be familiar with all forms and be able to answer any question a diver may have regarding the completion of those forms
      - Diver Training Folder
      - Waiver
      - Medical Questionnaire
- Complete a thorough review of the appropriate TDI Instructor manual including:
  - How to conduct academic sessions:
    - Cover helpful hints on how to teach more involved subjects



- Pool/ Confined water sessions (if one is conducted)
  - Helpful hints on:
    - How to teach skills
    - Conducting an update / skill evaluation
    - Possible problems an instructor may experience
    - How to deal with those problems
  - Open water sessions
    - Helpful hints on:
      - How to conduct skills in open water vs pool/confined
      - Possible problems an instructor may experience in open water
      - How to deal with those problems

### **List of tips on how to teach various aspects of this program include:**

This information must be simplistic in nature. Try to educate the students on the various aspects of technical diving: mixed gas, overhead environment and closed circuit rebreathers.

The students at this point may not know for sure which direction they would like to take with their technical diving experiences.

### **List of academic / pool-confined water / open water topics for candidate to present:**

Formula work

Equipment considerations for technical diving

Decompression Options

Dive Planning



## **Scheduling Options for this program**

### **Overview**

The TDI Intro to Tech Instructor program should be comprised of at least one academic session, an optional pool / confined water session and four open water dives. The classroom session will last approximately 1 full day with an optional half day for a pool / confined water session and two days at the open water to complete the dives.

### **Classroom**

You will need several different types of equipment so the instructor candidate can practice assembly and disassembly on different configuration. They need to become proficient so that they can explain the various configurations to their students. Candidates are required to perform and pass an academic presentation.

### **Dives**

The four required dives must be scheduled over two separate days.

### **Knowledge Quest Review Questions if applicable**

No instructor level Knowledge Quest is available for this program, although the candidate should complete the diver level Knowledge Quest so they are familiar with the information.

### **Final Exam**

No instructor level final exam is available for this program, although the candidate should complete the diver level final exam so they are familiar with the information.



