

Designing Your Project

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Where do the ideas come from?

Lake Mead Water Levels — Historical and Current



What is the problem or objective or hypothesis?

Water levels in Lake Mead have dropped excessively.

Why? Perhaps,

- Drought
- Overuse
- Mismanagement
- Other?



May 3, 2000



May 28, 2003

The Project Proposal

Introduction

Background information

Objective/hypothesis

Methods

Expected Significance

Budget

Example

Grant Application to the Roy J. Carver Charitable Trust

Environmental Sciences
Department of Natural and Applied Sciences
University of Dubuque

Fall, 2012

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Organization of an Article

IMRAD

Introduction

Background information

Objective/hypothesis

Methods

Results

Discussion



A Scientific Presentation

Presentation Rubric name: _____

_____ (1) Main point: clear, concise, strong

_____ (2) Significant content: clear indication that topic matters,
good support for main point

_____ (1) Credibility: sufficient support from quality resources

_____ (1) Professional quality: no reading, no more than 7 words per slide,
approximate length met

Your first task today:

We're going to build on the fire-ant assignment.

- Pick a partner.
- Identify three projects in which you might want to perform a census of organisms in a area.
- Be prepared to explain the three projects and how you would perform your sampling.

