

# I PRO 332: OUR ENERGY FUTURE

Midterm Presentation:  
March 27, 2007

Project Team:

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Tony Osborn

Sara Pfau

Sasha Romanova Smith

Kurt Ziegel





# I. Objectives

# Original Objectives

- Create unbiased energy education module
- Identify knowledge deficits
- Select areas to focus efforts.
- Study teaching methods and technologies.
- Learn from other groups who are currently doing energy education.
- Ascribe to CPS Guidelines.



# Current Objectives

- Develop Ecological Footprint module
- Test Ecological Footprint module at De La Salle
- Propose additional modules
- Establish contact with CPS



# Changes to Objectives

1. Shift focus away from CPS
2. Test module at De La Salle
3. Define main module as the Ecological Footprint
4. Creation of additional, energy specific modules





# Reasons for changes in Objectives

1. Bureaucracy/Politics
2. Close location, cooperation, community development
3. Holistic approach
4. More effective

## II. Results to Date



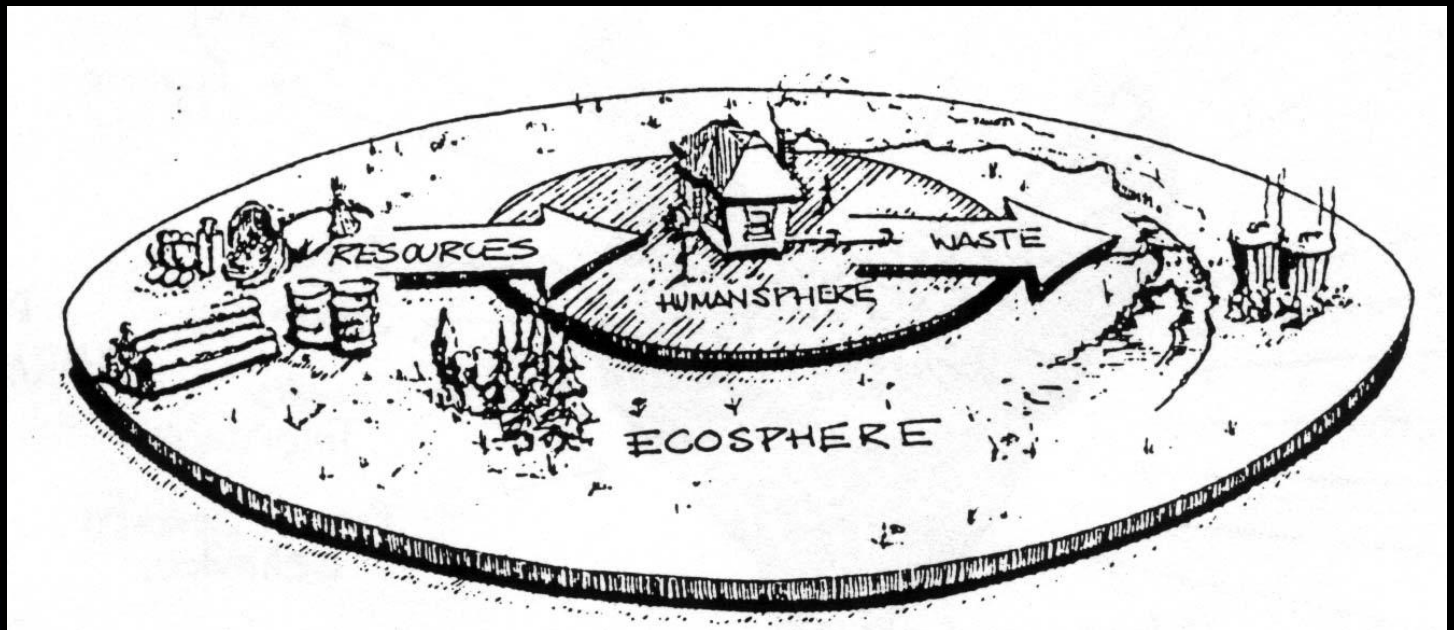
# Team Results

- Topic research
  - Ecological Footprint
  - Quiz through [myfootprint.org](http://myfootprint.org)
- BP A+ for Energy
- Subsequent topics, wind power
  - Contact at IL Wind Power, Steve Cox
- Research into classroom experience
  - Preparing the prototype





# Summary Diagram for Ecological Footprint



# My Footprint

## quiz results



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CATEGORY	ACRES
FOOD	4
MOBILITY	2
SHELTER	3.5
GOODS/SERVICES	4.9
<b>TOTAL FOOTPRINT</b>	<b>14</b>

IN COMPARISON, THE AVERAGE ECOLOGICAL FOOTPRINT IN YOUR COUNTRY IS 24 ACRES PER PERSON.

WORLDWIDE, THERE EXIST 4.5 BIOLOGICALLY PRODUCTIVE ACRES PER PERSON.

IF EVERYONE LIVED LIKE YOU, WE WOULD NEED 3.2 PLANETS.



## quiz results



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this page

CATEGORY	ACRES
FOOD	3.2
MOBILITY	2
SHELTER	1.7
GOODS/SERVICES	3.5
<b>TOTAL FOOTPRINT</b>	<b>10</b>

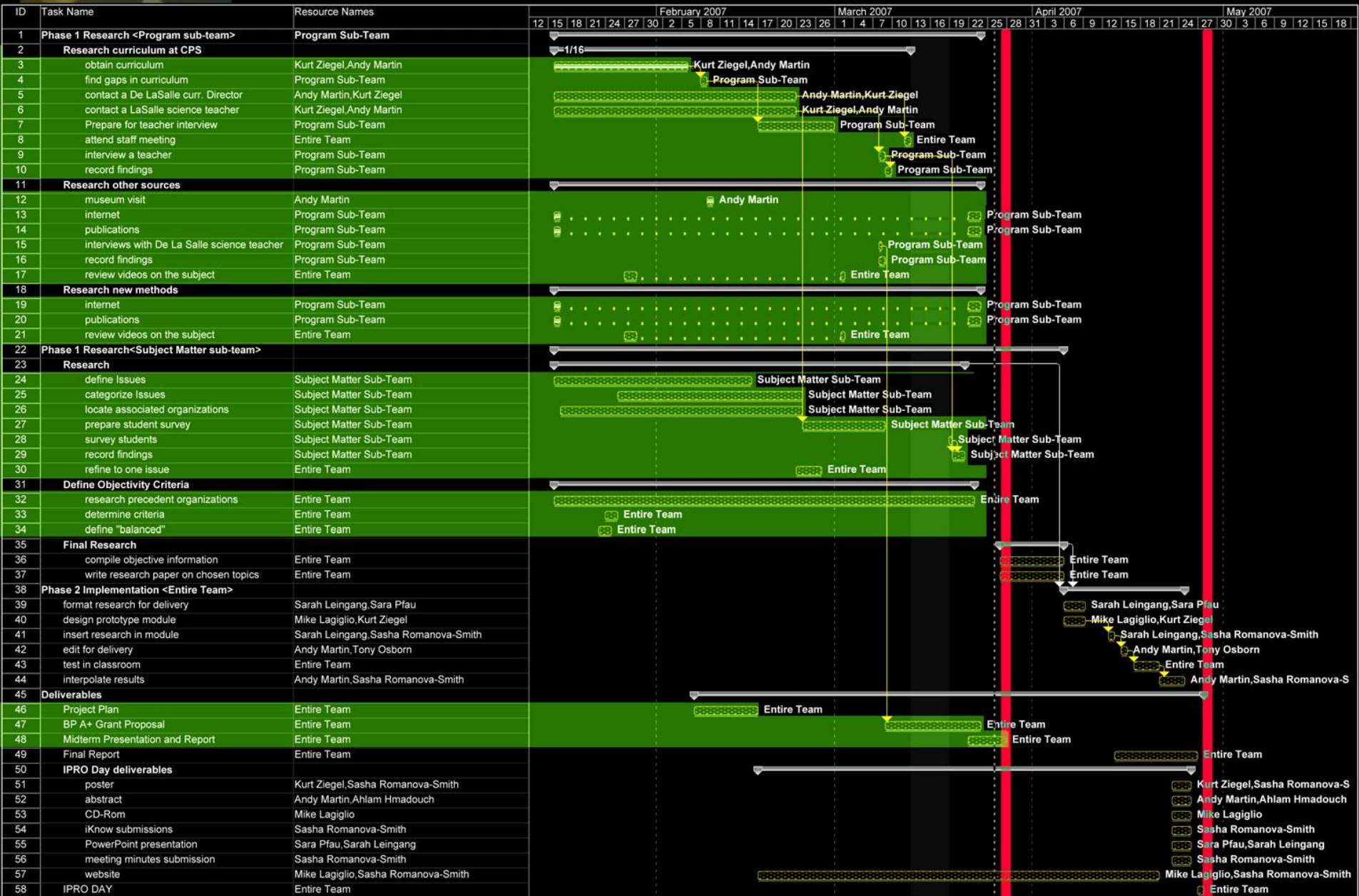
IN COMPARISON, THE AVERAGE ECOLOGICAL FOOTPRINT IN YOUR COUNTRY IS 24 ACRES PER PERSON.

WORLDWIDE, THERE EXIST 4.5 BIOLOGICALLY PRODUCTIVE ACRES PER PERSON.

IF EVERYONE LIVED LIKE YOU, WE WOULD NEED 2.3 PLANETS.

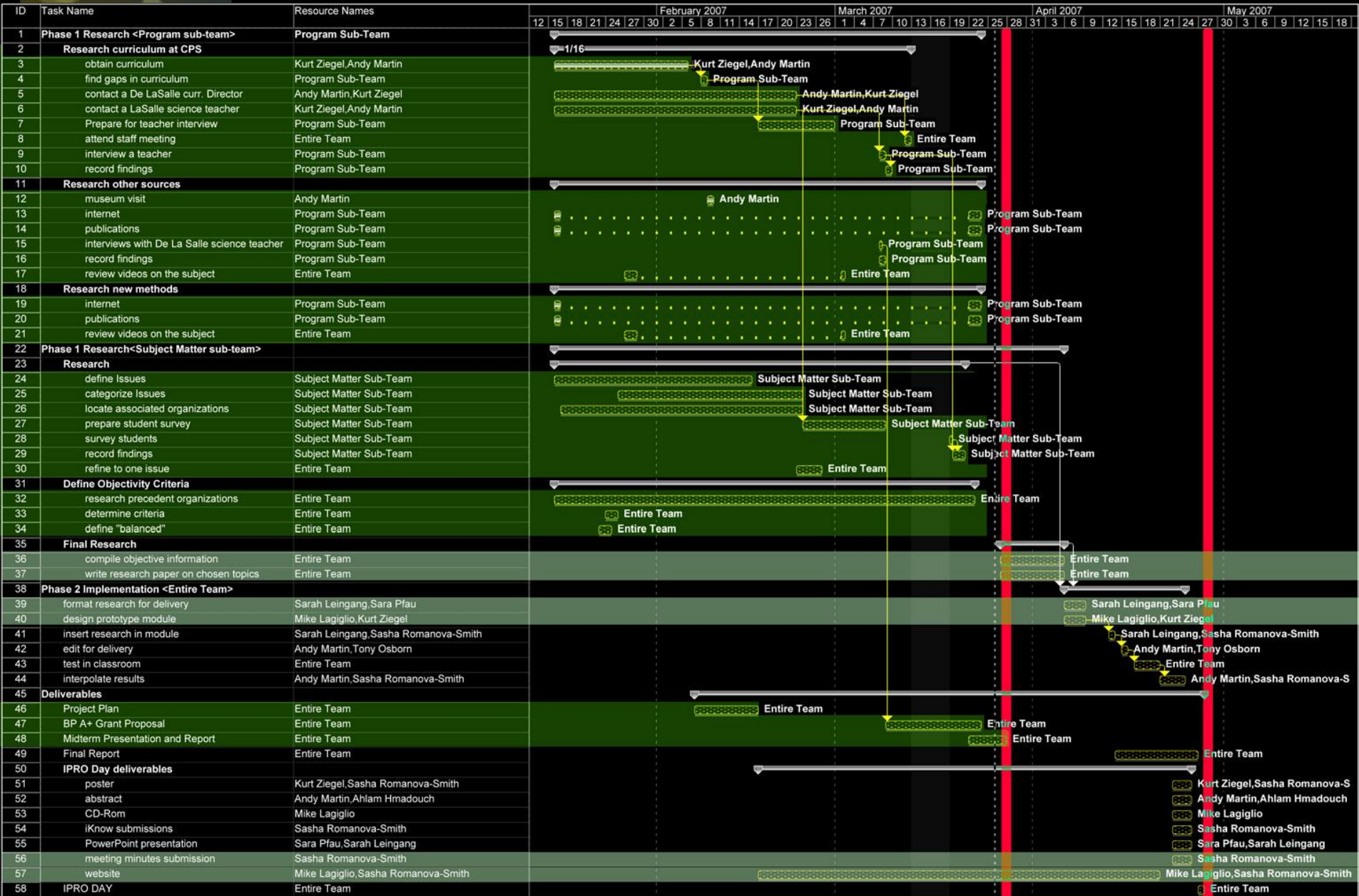


# Finished Tasks





# Ongoing Tasks



# Accomplishments

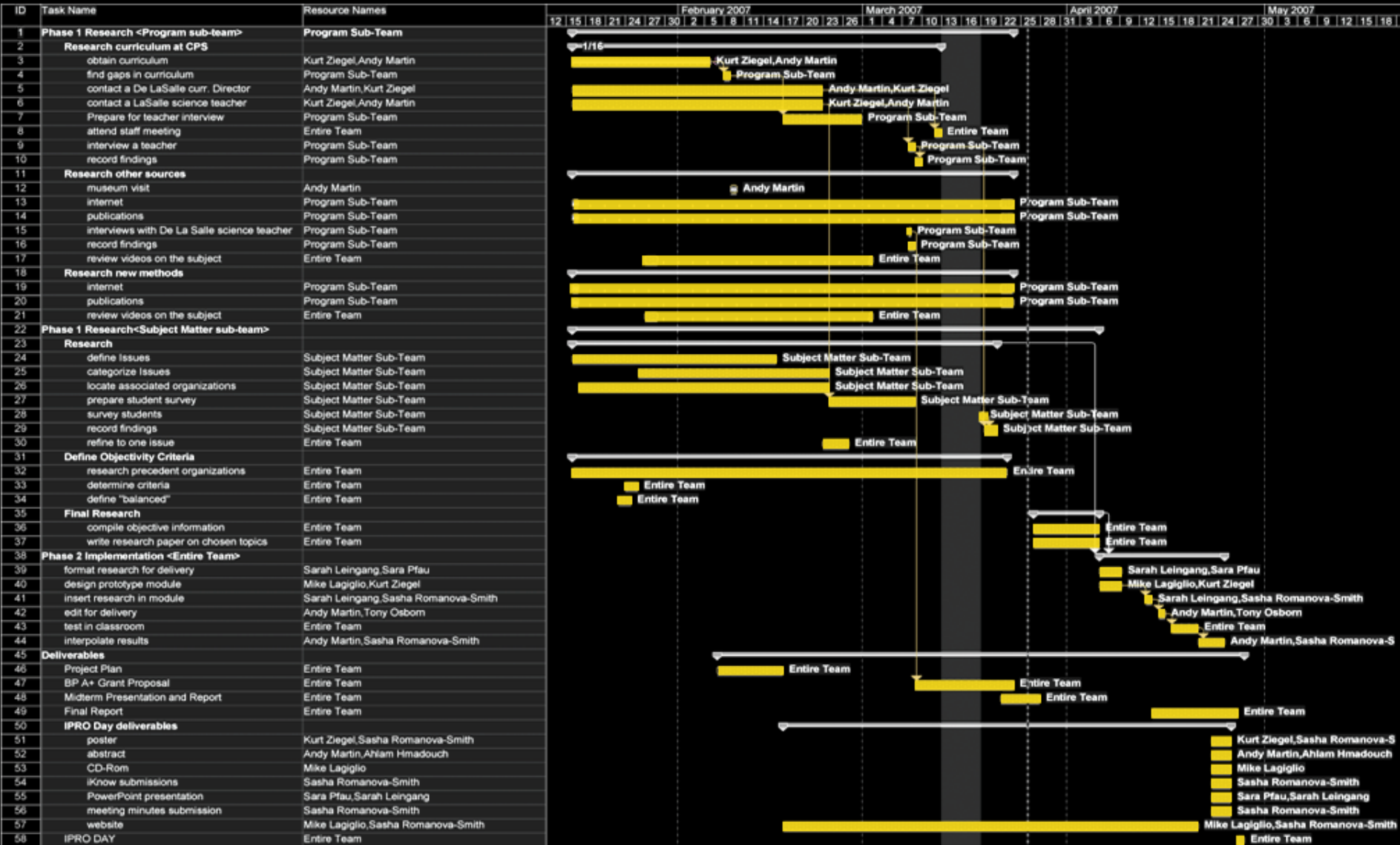
- Project objectives clearly defined
- BP A+ for Energy grant proposal
- Connections with De La Salle
  - Bob Chrupka
  - Access to girls and boys campuses
- Wind turbine research
  - Source, budget
- Team is working within schedule





# **III. Revised Tasks & Event Schedule**

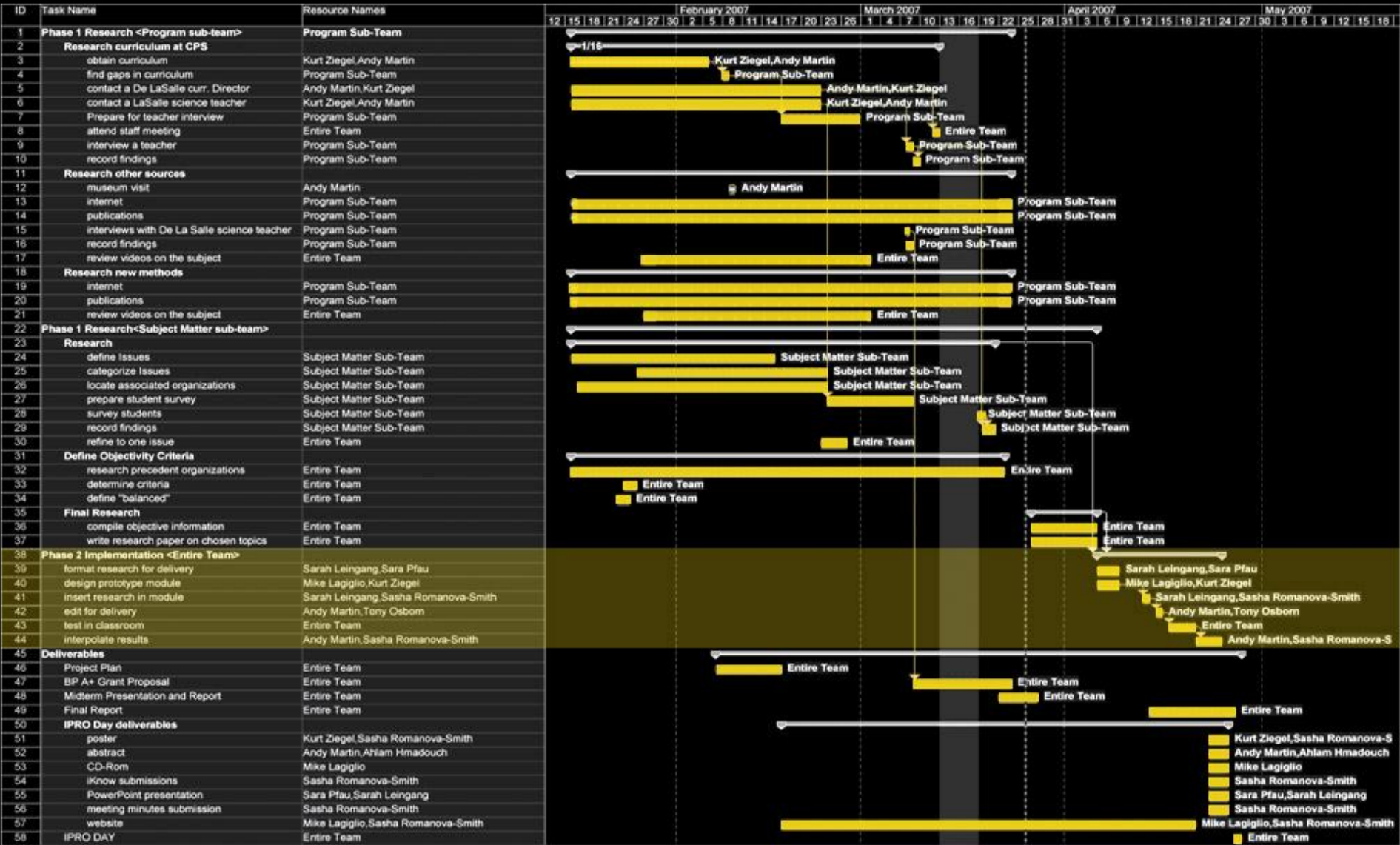
# Revised Task/ Event Schedule



Student Losses



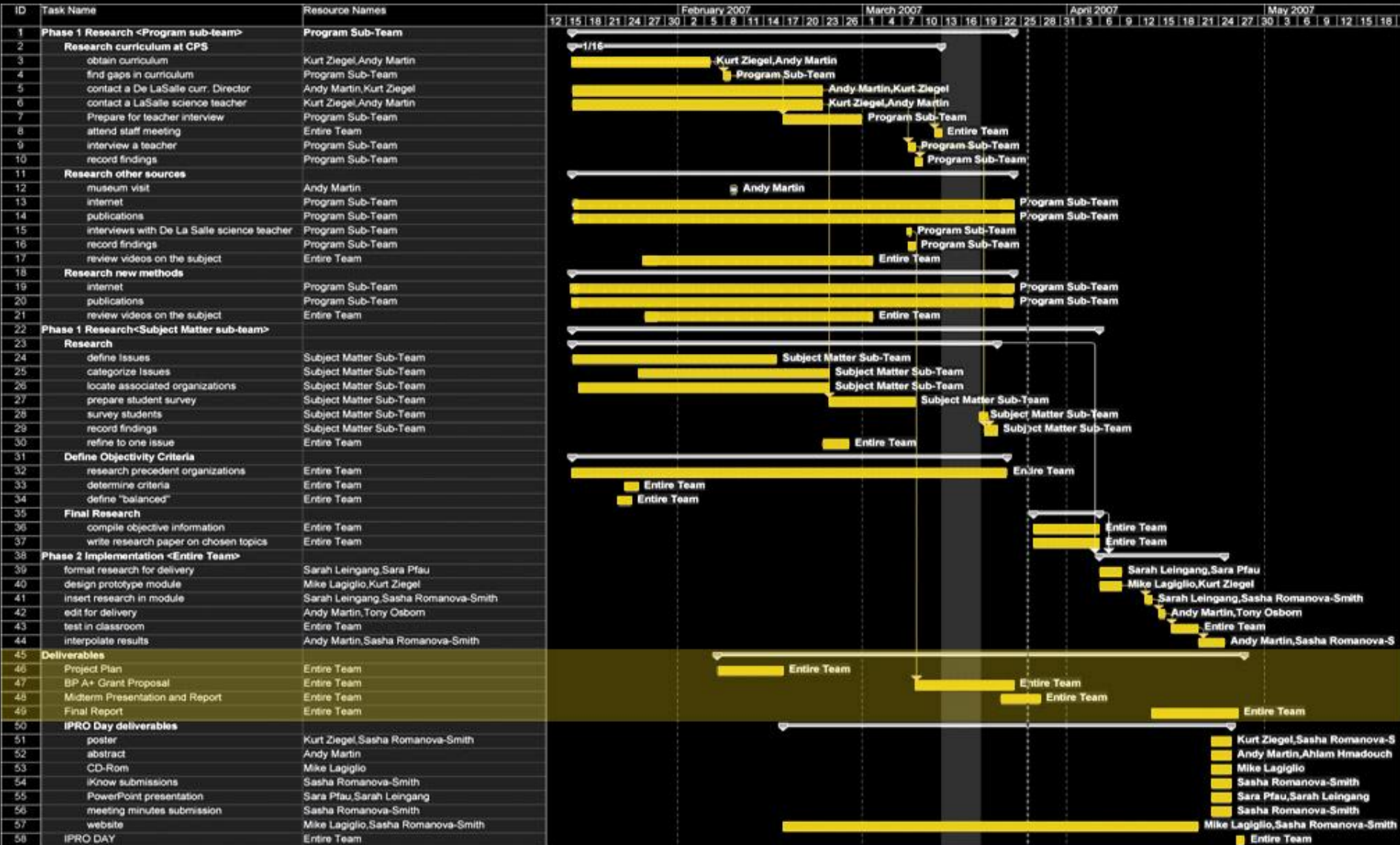
# Implementation Changes



Classroom Testing



# Deliverables Changes



BP A+ for Energy Grant  
Team Member Losses



# IV. Updated Tasks & Roles

# Subject Matter Sub-group

## Sarah Leingang

### Original

- Categorization of themes
- Topic research

### Updated

- Research and summarize Ecological Footprint concept
- Wind turbine and viability research
- Grant proposal budget development
- Development of IPRO Day presentation



# Sara Pfau

## Original

- Constructing surveys
- Topic research

## Updated

- Summarize energy big picture
- Research and summarize Ecological Footprint
- Compose Project Evaluation portion for Grant Proposal
- Design layout for IPRO Day presentation



# Tony Osbon

## Original

- Time Sheet Manager & Time Keeper
- Schedule Monitor
- Precedent Surveys
- Objectivity Criteria

## Updated

- Project Plan construction
- Grant Proposal design and rough draft
- Design and construction of Ecological Footprint module



# Program Team Sub-group

## Mike Lagiglio

### Original

- Design paper layout
- Teacher interviews
- Web site design

### Updated

- Teaching technique research
- Web design
- De La Salle contact
- Analysis and incorporation of feedback from  
De La Salle



# Andy Martin

## Original

- Team leadership
- Agenda management
- Sub-group leadership
- Module design

## Updated

- Same as above
- Grant Proposal construction
- IPRO Day presentation design

# Sasha Smith

## Original

- Meeting minutes
- Web site design
- Presentation design

## Updated

- Meeting minutes
- Program management (Microsoft Project)
- Research into games as teaching tools
- Design and construction of Ecological Footprint module



# Kurt Ziegel

## Original

- Curriculum research
- Presentation design
- Define Power Point layout

## Updated

- Product research
- Interactive technology research
- Technology viability study
- Assessment of Program Sub-group findings
- Construction of Ecological Footprint module





# V. Barriers & Obstacles



## Difficulties:

- Loss of new team member
- Grant Proposal
- Absences

# Future Difficulties

- Incorporation into CPS system
- Kurt leaving for a week
- Time constraint with implementing and testing of module
- Transmission of ideas and goals to future IPRO semesters