

Preparing Poster Presentations

General Biology I
FGCU
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Selecting a Poster Topic

- Any item of your choice in BIOLOGY
- Biology is the science of life
- Science is knowledge acquired by careful observation
- Show the connections to molecular and cellular Biology
- The following examples are provided to help you choose a topic

Natural Selection



- What habitat?
- What relations to other organisms?
- What mechanism?
- Why are they different?
- How are they different?

Species



- What species?
- Why is it "special"?
- Why is it studied?
- What "uses" for humans?

Endangered Species



- What species?
- Why are they endangered?
- What contributes to their decline?
- Are efforts to save them working?
- Why or Why not?

Ecosystems



- What environment?
- What organisms?
- How does their structure fit the environment?
- What functions to keep the system working?
- Is it endangered?

Invasive Exotic Species

- What are they?
- How do they impact the environment?
- Are they damaging the ecosystem?
- How do they spread so well?
- Is there a way to control them?

Biomedicine



- How do nerves grow?
- Can we modify their growth?
- Under what circumstances?
- Why would we?

Nutrition

- What are vitamins?
- Why are they needed?
- How do they function?
- How are they acquired?
- Where do they function?



Drugs

- What are Anabolic Steroids?
- How do they function?
- Are there side effects?



Physiology

- What?
- Who is affected?
- How?
- Treatment?



Genetic Abnormalities

- What are they?
- How do they happen?
- Can they be fixed?
- Should they be fixed?



Behavior



- What are dreams (or)?
- How do they occur?
- Are they in color?
- Can we control them?
- Why do we dream?
- Do other animals?

Pathogens



- What kinds of pathogens are there?
- When do they cause damage?
- How do they cause damage?
- Can they be controlled?

Toxins

- Where are they from?
- How are they toxic?
- What cellular mechanism is affected?
- Who is afflicted?
- Is there a remedy?



Technology



- What?
- How?
- Why?
- Benefits?
- Hazards?
- Mechanism?

Investigation



- What studies occur in space?
- What differences exist?
- Why do we study in space?

Your Topic Here



- What topic interests you?
- Why?
- What cellular mechanism is involved?
- Who cares?
- Why?

Goals for the Poster

- Capture attention
- Condensed format
- Generate discussion
- Neat & legible
- Use large text
- Use figures & tables



Poster Format

- Title with author listed
- Abstract - no more than 100 words
- References/citations provided
- No larger than 6 ft by 4 ft



Use Copious Graphics

- Illustrate your main point(s)
- Easy to understand
- May be computer generated
- Graphics are essential to convey the issue or topic



Figures & Tables

- Use descriptive titles
- Should stand alone
- Illustrate key points
- Readers should not have to read the text to understand



Evaluation

- By instructor & peers
- Each student must evaluate 3 posters
- More info available at web site



Begin Work Now

- Your poster will reflect the time and energy you devoted to it
- Use many resources
- Do not plagiarize



Important Note

- Posters must contain a molecular/ cellular component
- Remember: you must examine the topic from a biological perspective

