# Field Assignment 1: Diagnostic Student InterviewsG

## Topic Information

**Grade Level:** [*Indicate the targeted grade level.*]

**Science Topic**: [*Briefly describe the science topic you are eliciting student prior knowledge about. This should align to your selected Florida NGSSS content standard and be at least 3-5 sentences in length.*]

Florida Content Standard (number-code and statement):

Next Generation Science Standards (NGSS):

Nature of Science Standards:

**Related Florida Next Generate Sunshine State Standard(s) or Next Generation Science Standards (NGSS)**: [*Make sure that the science topic you listed above aligns to at least one science content standard in the grade level selected* ***as well as*** *at least one nature of science standard.*]

## School SITE Information

**School Name**: [*Insert school name here*]

**Teacher Name**: [*Co-operating teacher’s name*]

**Grade Level**: [*What is the grade level of these students?*]

**Location**: [*This is where you conducted the interviews*]

## Participants

[*These students should be diverse in gender, academic ability, cultural background, etc*.]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **First Name (pseudonym)** | **Age** | **Gender** | **Date/Time of Interview** | **Brief description of why you selected this student** |
| 1. |  |  |  |  |
| 2. |  |  |  |  |
| 3. |  |  |  |  |
| 4. |  |  |  |  |
| 5. |  |  |  |  |

## Interview Questions

[*List your planned, primary 8-10 interview questions here that allow students to share what they know and their current thinking about the selected science topic. During your interview you may find that you ask probing questions that you did not originally intend to ask, which do not need to be included here.*]

## Summary of Understanding

### Individual Understanding

[*Use the sections below to* *summarize each student’s current understanding of the selected science topic. Be as specific as possible in your summaries, which should be at minimum 5 sentences. These summaries should allow a reader to fully understand what each student currently knows and doesn’t know about the science topic without reading the transcripts. Be sure to include both accurate science understandings as well as alternative understandings (i.e., misconceptions). Each summary should also compare the students’ understanding to correct science understanding.*]

#### Student 1

[Write summary of understanding for student 1 here]

#### Student 2

[Write summary of understanding for student 2 here]

#### Student 3

[Write summary of understanding for student 3 here]

#### Student 4

[Write summary of understanding for student 4 here]

#### Student 5

[Write summary of understanding for student 5 here]

## Overall Group Understanding

[D*escribe how these students as a whole understand the science topic*. *Describe how their current understanding of the science topic compares to accurate conceptual understanding. How does this collective understanding compare to what these students should know or what you expect students to know about this topic based on prior schooling and/or life experiences (e.g., you may want to look at* ***previous*** *grade level standards to determine what you expect these students to know already)?*]

## Implications For Teaching

[*Describe how you will use these interviews and findings above to help plan for your 5E lesson (Field Assignment 2A). As part of this, address the following two questions: 1) Was their level of understanding surprising to you or was it what you expected? 2) What are the goals you want your student to reach in this lesson? Additionally, list 3-5 learning objectives that you might include to focus your lesson. These learning objectives should use student-friendly language, as this is what you would share with students to let them know what they will learn during the lesson.*]

## Appendices A-E: Full Interview Transcripts

[*Include full, type-written transcripts of all five interviews. Be sure to indicate your planned questions as well as your probing and “idea challenging” questions*.]

### A. Student 1 Transcript

[Type up Transcript here]

### B. Student 2 Transcript

[Type up Transcript here]

### C. Student 3 Transcript

[Type up Transcript here]

### D. Student 4 Transcript

[Type up Transcript here]

### E. Student 5 Transcript

[Type up Transcript here]