

## I. YOUR INSTRUCTIONAL PRACTICES

Questions 1 through 15 ask you to reflect on your instructional practices in the class or classes in which student assessments are being administered. Please write the title of this course (e.g., Biology, Integrated Science, etc.) in the space provided. If student assessments are being administered in two different courses, please select the one for which there is a comparison teacher at your school.

Title of course	

NOTE: The duration of high school courses can vary (e.g., 1 semester, 2 semesters, or a trimester), and students' schedules may change mid-year. Therefore, please reflect on your teaching practices and experiences since you began teaching the class of students currently enrolled in this course when answering these questions.

1. In this course, how much emphasis did you give to each of the following goals or objectives? (*Circle one number on each line.*)

		None	Minor	Moderate	Major
a.	Integrating the course curriculum with other subjects or fields of study	1	2	3	4
b.	Teaching facts, rules, or vocabulary	1	2	3	4
c.	Showing the importance of the subject in everyday life	1	2	3	4
d.	Increasing students' interest in the subject and in pursuing further study	1	2	3	4
e.	Encouraging students to explore alternative explanations or methods for solving problems	1	2	3	4
f.	Preparing students for taking standardized tests in the subject	1	2	3	4
g.	Fully covering the course curriculum as prescribed by the school/district/state	1	2	3	4
h.	In-depth study of selected topics or issues, as opposed to exposure to a broad range of topics	1	2	3	4
i.	Understanding the theoretical concepts and ideas underlying scientific or mathematical applications	1	2	3	4

2. Approximately how often did you use each of the following teaching methods in this course? (*Circle one number on each line.*)

		Never	1-2 times a month	1-2 times a week	Almost every class	Every class
a.	Lecture or talk to the whole class	1	2	3	4	5
b.	Teacher-led whole-class discussions	1	2	3	4	5
c.	Students responding orally to questions on subject matter covered in class or homework	1	2	3	4	5
d.	Student-led whole-group discussions or presentations	1	2	3	4	5
e.	Students working together in cooperative groups	1	2	3	4	5
f.	Reviewing homework or other assignments	1	2	3	4	5

3. Approximately how often did you have students engage in the following learning activities in this course? (Circle one number on each line.)

	·	Never	1-2 times a month	1-2 times a week	Almost every class	Every class
a.	Work on hands-on activities (e.g., doing lab activities or using manipulatives)	1	2	3	4	5
b.	Reflect on course material by writing in a notebook or journal	1	2	3	4	5
c.	Use calculators or computers for learning, practicing skills, or solving problems	1	2	3	4	5
d.	Work individually on written work or assignments in a workbook or textbook	1	2	3	4	5
e.	Critique/evaluate their own or other students' class work or homework	1	2	3	4	5
f.	Consider a real-world problem relevant to the course and develop a plan to address it	1	2	3	4	5
g.	Use primary sources (e.g., academic or professional journals) to investigate current issues					
	or new developments in science, mathematics, or technology	1	2	3	4	5
h.	Listen to guest speakers or go on field trips relevant to the material studied in class	1	2	3	4	5
i.	Investigate possible career opportunities in science, mathematics, or technology	1	2	3	4	5
j.	Design or implement their own scientific investigation, mathematical theory, or proof	1	2	3	4	5
k.	Use state-of-the-art equipment or technologies (Specify types)	1	2	3	4	5

4. On average, approximately what percentage of your planning and preparation time for this course did you spend on each of the following activities? (*Circle one number on each line.*)

		0	1 - 9 percent	10 -19 percent	20 -29 percent	30 - 49 percent	50 percent or more
a.	Revising current lessons/curriculum units	1	2	3	4	5	6
b.	Creating new lessons/curriculum units	1	2	3	4	5	6
c.	Contacting community resources, including						
	making arrangements for speakers, tours, etc	1	2	3	4	5	6
d.	Using the Internet to access materials	1	2	3	4	5	6
e.	Using the Internet to network with colleagues	1	2	3	4	5	6
f.	Consulting with experts or professional						
	scientists/mathematicians	1	2	3	4	5	6
g.	Using a reflective teaching journal	1	2	3	4	5	6
h.	Learning to use science or mathematics kits	1	2	3	4	5	6
i.	Improving computer and/or software skills	1	2	3	4	5	6
j.	Writing grants to secure funding for new						
	programs and/or equipment	1	2	3	4	5	6
k.	Interacting with the other teachers at your school						
	to coordinate lessons/activities	1	2	3	4	5	6
1.	Responding to e-mail you received from students	1	2	3	4	5	6

Number of hours Which textbook (or commercially prepared workbook) cothis course?	onstitutes the				
this course?	onstitutes the				
CNOTE IC 1NO. 1 1 11 11 11		e primary res	ource that yo	u used in	
(NOTE: If you used NO textbook or workbook in this	s course, sk	tip to questi	on 11.)		
Title: Author: Publisher:					
Approximately what percentage of this textbook/workbook	ok did you c	over in this c	ourse?	%	
Did you use the tests that the publishers included with the Rarely or never	e textbook/w	orkbook? (C	ircle only o	ne.)	
Please give your opinion about each of the following state (Circle one number on each line.)		elated to this	textbook/wor	kbook.	Stuanalra
This textbook: a. Is at a reading level that is appropriate for most of	<b>Strongly</b> disagree	Disagree		Agree	Strongly agree
	1	2		4	5
· · · · · · · · · · · · · · · · · · ·					5
	_				5
	1	2	3	4	5
e. Provides challenging suggestions for projects, further reading, and other assignments	1	2	3	4	5
f. Covers the right range of topics	1	2	3	4	5
g. Satisfactorily covers topics in depth	1	2	3	4	5
h. Makes interdisciplinary connections between subject areas	1	2	3	4	5
· ·					
this course	1	2	3	4	5
j. Other (specify)	1	2	3	4	5
If you disagreed with any of the items in question 9, abo have seen with this textbook/workbook.	ve, please b	riefly describ	e the problen	ns you	
	Publisher: Publication date/edition:  Approximately what percentage of this textbook/workbook Did you use the tests that the publishers included with the Rarely or never	Publisher:  Publication date/edition:  Publication date/edition:  //  Approximately what percentage of this textbook/workbook did you complete the tests that the publishers included with the textbook/workbook did you complete the tests that the publishers included with the textbook/workbook did you complete the tests that the publishers included with the textbook/workbook did you complete the textbook did you complete the	Publisher:  Publication date/edition:  Publication date/edition:  Publication date/edition:  Publication date/edition:	Publisher: Publication date/edition:  Publication date/edition:  Approximately what percentage of this textbook/workbook did you cover in this course?  Did you use the tests that the publishers included with the textbook/workbook? (Circle only or Rarely or never	Publisher: Publication date/edition:  Approximately what percentage of this textbook/workbook did you cover in this course?  Mapproximately what percentage of this textbook/workbook did you cover in this course?  Marely or never

11.		what extent did you use each of the following types on every mievement in this course? (Circle one number on each		to determin	e student prog	ress and
			Not at all	Slight extent	Moderate extent	Great extent
	a.	Pre-tests before beginning a new unit	1	2	3	4
	b.	Short-answer tests (e.g., multiple choice,				
		true/false, fill-in-the-blank)	1	2	3	4
	c.	Tests requiring open-ended responses (e.g.,	1	2	2	4
		descriptions, justifications, explanations)	1	2	3	4
	d.	Student portfolios	1	2	3	4
	e.	Class participation/group discussion	1	2	3	4
	f.	Student presentations/projects	1	2	3	4
	g.	Hands-on performance measurements	1	2	3	4
	h.	Written explanations of thought processes (e.g.,			2	4
		journals, essays)	1	2	3	4
	NC	O	ent teacher w			ovide the
	d.	Number of hours each week that the class meets _				
13.	At	any time did the student teacher take <b>full responsibi</b>	l <b>itv</b> for teach	ing the clas	s?	
		s 1	v	0		
		2 (Skip to question 16.)				
14.	For	r how many weeks did the student teacher take over to	eaching this o	class?		
	Nu	mber of weeks				
15.		ease list the topic(s) or unit(s) that were taught by the solution by the solution this class.	student teach	er during th	e time that he	or she

## II. YOUR ATTITUDES AND BELIEFS ABOUT TEACHING

16. Please indicate how confident you feel about the following aspects of your teaching **at this time**. (*Circle one number on each line*.)

		Not at all	Slightly confident	Moderately confident	Very confident
a.	Your knowledge about the application of the				
	subject to everyday life	1	2	3	4
b.	Your ability to advise students about job				
	opportunities in the subject area	1	2	3	4
c.	Your ability to advise students about opportunities				
	to receive further training/experience in the	1	2	3	4
	subject area	1	2	3	4
d.	Your ability to use inquiry-based instructional	1	2	3	4
e.	Your ability to determine the depth, breadth, and	1	2	3	4
C.	pace of coverage of material in your teaching	1	2.	3	4
f.	Your ability to develop appropriate and authentic	1	_	3	•
••	assessment tools	1	2	3	4
g.	Your ability to supervise your students' research				
U	projects	1	2	3	4
h.	Your ability to mentor beginning teachers	1	2	3	4
i.	Your ability to make presentations at teacher				
	inservices or professional meetings	1	2	3	4
j.	Your ability to incorporate technology				
-	(computers, the Internet, laser disks, etc.) into				
	your teaching	1	2	3	4

17. To what extent do you feel each of the following statements describes the kind of teacher you are **at this time?** (*Circle one number on each line.*)

		Not at all	Slight extent	Moderate extent	Great extent
a.	I am motivated to expand on the instructional	1	2	3	4
b.	techniques that I use	1	2	3	4
	materials and manipulatives in my teaching	1	2	3	4
c.	I am motivated to use more technology in my	1	2.	3	4
d.	teaching  I consider myself a "subject matter expert" in my	1	2	3	7
	main teaching field	1	2	3	4
e.	I consider preparing students for the kinds of expectations they will encounter in a work setting as an important part of my job	1	2.	3	4
f.	I believe I can truly make a difference in the lives	-	_	3	·
	of my students in terms of their choices for further education and their careers	1	2	3	4

18.	What do you consider to be your greatest strengths as a teacher? Please be as specific as yo about both areas of content mastery and instructional strategies when answering this question	
19.	What areas of your teaching do you think need improvement? Think about both areas of cor	ntent mastery
	and instructional strategies when answering this question.	
III.	YOUR SCIENCE CURRICULUM	
curi cou a bi	estions 20 and 21 ask about science topics that you covered in this course since it began (rent class of students enrolled). Question 20 asks about some skills that might be included in rse. Question 21 provides a framework of specific content areas and categories that might be ology course. Under each category is a list of one or more bulleted topics. Please indicate which you covered in this course by placing a check on the line provided.	n any science be included in
	The following skills might be included in any science curriculum. Please put a check next to that you covered in this course.	he skills
	<ul> <li>a. Interpret and draw conclusions from tables and graphs</li> <li>b. Understand correct use of experimental controls</li> <li>c. Know correct use of laboratory apparatus</li> <li>d. Know how to make solutions of a given concentration</li> </ul>	

put a check next to the bulleted topics that you covered in this course. Check if A. Change and Evolution covered 1. Diversity of life on earth Recognize key characteristics of major groups of organisms and relate structure to function ..... Recognize the order in which organisms first appeared on earth ...... 2. Genetic variation within a species Explain some of the mechanisms of genetic variation (e.g., solving simple genetic problems).....\_\_\_\_\_\_\_ 3. Theories of adaptation and natural selection Recognize various mechanisms of change (e.g., behavioral adaptations) ....... 4. Changes in diversity over time • Recognize phylogenetic relationships and understand what can be determined from fossil records ..... **B.** Cells and their functions 1. Cells as systems Understand the cell as a living system. 2. Information transfer in cells Know the structure of DNA and understand its roles in protein synthesis....... 3. Energy transfer Understand basic principles of photosynthesis and cellular respiration...... 4. Communication among cells Understand the role of specialized cells in carrying out life functions (e.g., nerve cells and immune protection).....\_\_\_\_\_\_ C. Organisms Reproduction, growth, and development Know that a cell is the fundamental unit of a living organism...... Understand meiosis and mitosis ..... 2. Life cycles 3. Functions and interactions of systems within organisms Identify major organ systems of the human body, state their major functions, and describe some of their interactions. Recognize examples of how organisms maintain stable internal conditions...... Understand nutrition in light of wellness and health..... D. Ecology The interdependence of life: populations, communities, and ecosystems Understand how interactions between living and non-living components of an ecosystem affect the functions of that system as a whole ...... Know how ecosystems respond to natural and human changes in the Predict changes in the size or growth rate of a population using mathematical models Understand energy flow in ecosystems .....

21. The following content areas and topics might be included in a biology or life science curriculum. Please

THANK YOU VERY MUCH FOR COMPLETING THIS SURVEY.