

APPENDIX G Responsibility Matrix Form

Directions: Page 1 of this form should be used to indicate which standards in *Standards for Technological Literacy (STL)* will be addressed at each grade level of the technology program. Fill in this form using “X” to indicate maximum coverage, “√” to indicate moderate coverage, and “O” to indicate minimal coverage.

Responsibility Matrix Form Page 1

STL Standards	STL Coverage in the Technology Program												
	Elementary Classrooms						Technology Laboratory-Classrooms						
	K	1	2	3	4	5	6	7	8	9	10	11	12
STL 1. Students will develop an understanding of the characteristics and scope of technology.													
STL 2. Students will develop an understanding of the core concepts of technology.													
STL 3. Students will develop an understanding of the relationships among technologies and the connections between technology and other fields of study.													
STL 4. Students will develop an understanding of the cultural, social, economic, and political effects of technology.													
STL 5. Students will develop an understanding of the effects of technology on the environment.													
STL 6. Students will develop an understanding of the role of society in the development and use of technology.													
STL 7. Students will develop an understanding of the influence of technology on history.													
STL 8. Students will develop an understanding of the attributes of design.													
STL 9. Students will develop an understanding of engineering design.													
STL 10. Students will develop an understanding of the role of troubleshooting, research and development, invention and innovation, and experimentation in problem solving.													
STL 11. Students will develop the abilities to apply the design process.													
STL 12. Students will develop the abilities to use and maintain technological products and systems.													
STL 13. Students will develop the abilities to assess the impact of products and systems.													
STL 14. Students will develop an understanding of and be able to select and use medical technologies.													
STL 15. Students will develop an understanding of and be able to select and use agricultural and related biotechnologies.													
STL 16. Students will develop an understanding of and be able to select and use energy and power technologies.													
STL 17. Students will develop an understanding of and be able to select and use information and communication technologies.													
STL 18. Students will develop an understanding of and be able to select and use transportation technologies.													
STL 19. Students will develop an understanding of and be able to select and use manufacturing technologies.													
STL 20. Students will develop an understanding of and be able to select and use construction technologies.													

Directions: Page 2 of this form should be used to indicate which standards from other content areas will be addressed at each grade level of the technology program. Multiple copies of this form may be needed. Fill in this form using “X” to indicate maximum coverage, “√” to indicate moderate coverage, and “O” to indicate minimal coverage.

Responsibility Matrix Form Page 2

Other Content Area Standards	Standards Coverage in the Technology Program												
	Elementary Classrooms						Technology Laboratory-Classrooms						
	K	1	2	3	4	5	6	7	8	9	10	11	12

Directions: Page 3 of this form should be used to indicate which standards in *Standards for Technological Literacy* (STL) will be addressed at each grade level in other content area classrooms. Multiple copies of this form may be needed. Fill in this form using “X” to indicate maximum coverage, “√” to indicate moderate coverage, and “O” to indicate minimal coverage.

Responsibility Matrix Form Page 3

STL Standards	STL Coverage in Other Content Areas													
	6	7	8	9	10	11	12	6	7	8	9	10	11	12
STL 1. Students will develop an understanding of the characteristics and scope of technology.														
STL 2. Students will develop an understanding of the core concepts of technology.														
STL 3. Students will develop an understanding of the relationships among technologies and the connections between technology and other fields of study.														
STL 4. Students will develop an understanding of the cultural, social, economic, and political effects of technology.														
STL 5. Students will develop an understanding of the effects of technology on the environment.														
STL 6. Students will develop an understanding of the role of society in the development and use of technology.														
STL 7. Students will develop an understanding of the influence of technology on history.														
STL 8. Students will develop an understanding of the attributes of design.														
STL 9. Students will develop an understanding of engineering design.														
STL 10. Students will develop an understanding of the role of troubleshooting, research and development, invention and innovation, and experimentation in problem solving.														
STL 11. Students will develop the abilities to apply the design process.														
STL 12. Students will develop the abilities to use and maintain technological products and systems.														
STL 13. Students will develop the abilities to assess the impact of products and systems.														
STL 14. Students will develop an understanding of and be able to select and use medical technologies.														
STL 15. Students will develop an understanding of and be able to select and use agricultural and related biotechnologies.														
STL 16. Students will develop an understanding of and be able to select and use energy and power technologies.														
STL 17. Students will develop an understanding of and be able to select and use information and communication technologies.														
STL 18. Students will develop an understanding of and be able to select and use transportation technologies.														
STL 19. Students will develop an understanding of and be able to select and use manufacturing technologies.														
STL 20. Students will develop an understanding of and be able to select and use construction technologies.														