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I. Foundations of Science Teaching

1.1 Nature of Science

- a) understand the philosophical tenets, assumptions, goals and values
- b) engage students in studies of the nature of science

1.2 Safety and Welfare

- a) understand the legal and ethical responsibilities
- b) know and practice proper techniques for the use of materials
- c) know and follow safety procedures

1.3 Professional Growth

- a) reflect upon teaching
- b) improve teaching and facilitate personal growth

II. Science Curriculum

2.1 Curriculum

- a) understand curricular recommendations
- b) plan and implement units of study

2.2 Issues

- a) understand socially important issues related to science
- b) engage students in analysis of problems