

The Responsible Use of

Animals in Biology



Including Alternatives to Dissection



Marriamal Association of Biology Touchers

CL Gary

The Responsible Use of Animals in Biology Classrooms, 1990 This monograph discusses the care and maintenance of animals suggests some alternative teaching strategies and affirms the value of teaching biology as the study of living organisms rather than dead specimens. The lessons in this monograph are intended as guidelines that teachers should adapt for their own particular classroom needs Chapter 1 What Every Life Science Teacher Should Know About Using Vertebrate Animals in the Classroom and in Science Projects discusses procurement and maintenance of animals accidents involving animals disposal of dead animals and diseases that can be transmitted from animals to humans Chapter 2 The 3 R s Reduction Refinement and Replacement includes biology teaching objectives alternatives that use the 3 R s and lessons that use the 3 R s Chapter 3 Ethical Considerations presents a field guide to the animal rights controversy and lessons that explore ethics Chapter 4 Resources provides information on teaching materials publishers and vendors and selected organizations Copies of the National Association of Biology Teachers NABT policy statement on animals in biology classrooms and the NABT guidelines for the use of live animals are included Appendices include the following 1 principles and guidelines for the use of animals from the National Academy of Science the National Research Council the Institute of Laboratory Animal Resources and the Canadian Council on Animal Care and 2 rules of the International Science and Engineering Fair the Westinghouse Science Talent Search the Animal Welfare Institute and the Youth Science Foundation Lists of 70 references and 50 curriculum guides consulted are provided KR **The Human Use of Animals** F. Barbara Orlans, 1998 This volume of case studies on animal ethics deals with important social controversies involving the human use of animals and analyzes the moral issues involved An introduction to ethical theory provides a framework to the 16 original case studies which include the use of animals in research testing and education as food as companion animals and in religious rites The book is intended for bioethics courses and animal career staff The responsible use of animals in biology classrooms Information Resources for Institutional Animal Care and Use Committees, 2000 Geraldine R. Dodge, 1990

Encyclopedia of Animal Rights and Animal Welfare Marc Bekoff, Carron A. Meaney, 2013-12-16 Human beings responsibility to and for their fellow animals has become an increasingly controversial subject This book provides a provocative overview of the many different perspectives on the issues of animal rights and animal welfare in an easy to use encyclopedic format Original contributions from over 125 well known philosophers biologists and psychologists in this field create a well balanced and multi disciplinary work Users will be able to examine critically the varied angles and arguments and gain a better understanding of the history and development of animal rights and animal protectionist movements around the world Outstanding Reference Source Best Reference Source In the Name of Science F. Barbara Orlans,1993-07-08 Few arguments in biomedical experimentation have stirred such heated debate in recent years as those raised by animal research In this comprehensive analysis of the social political and ethical conflicts surrounding the use of animals in

scientific experiments Barbara Orlans judges both ends of the spectrum in this debate unconditional approval or rejection of animal experimentation to be untenable Instead of arguing for either view she thoughtfully explores the ground between the extremes and convincingly makes the case for public policy reforms that serve to improve the welfare of laboratory animals without jeopardizing scientific endeavor This book presents controversial issues in a balanced manner based on careful historical analysis and original research Different mechanisms of oversight for animal experiments are compared and those that have worked well are identified This compelling work will be of interest to biomedical scientists ethicists animal welfare advocates and other readers concerned with this critical issue The Responsible Use of Animals in Biology Classrooms, Including Alternatives to Dissection National Association of Biology Teachers, 1989 The American Biology Teacher Animal Rights Harold D. Guither, 1998 In the past decade philosopher Bernard Rollin points out we have ,2007-08 witnessed a major revolution in social concern with animal welfare and the moral status of animals Adopting the stance of a moderate Harold Guither attempts to provide an unbiased examination of the paths and goals of the members of the animal rights movement and of its detractors Given the level of confusion suspicion misunderstanding and mistrust between the two sides Guither admits the difficulty in locating much less staying in the middle of the road The philosophical conflict however is fairly clear those who resist reform fearing that radical change in the treatment of animals will infringe on their business and property rights versus the new activists who espouse a different set of moral and ethical obligations toward animals From his position as a moderate Guither presents a brief history of animal protection and the emergence of animal rights describes the scope of the movement and identifies major players such as Paul and Linda McCartney and organizations such as People for the Ethical Treatment of Animals that are actively involved in the movement He concentrates on what is actually happening in the 1990s discussing in detail the possible consequences of the current debate for those who own use or enjoy animals in entertainment and leisure pursuits A reference work for students in animal sciences and veterinary medicine the book also poses questions for philosophers sociologists and public policymakers as well as animal owners animal and biomedical researchers and manufacturers and distributors of animal equipment and supplies Education ,1992 BSCS Biology ,1997 The Human Use of Animals Tom L. Beauchamp, 2008 The first edition of The Human Use of Animals offered the first set of case studies on animal use through sixteen original previously unpublished essays Whereas the first edition strongly emphasized research issues the second edition now adds material on conversation concerns and the use of animals in entertainment specifically cases on endangered species zoos circuses and sport fighting As with the first edition the cases are presented in an objective and balanced way that will spark reasoned debate about moral issues Extensively revised and updated the second edition maintains a commitment to a discussion of ethical reflection and analysis concerning human interactions with animals Alternatives to Laboratory Animals, 2004 **Iournal** of **Biological Education**,1991 Why Dissection? Lynette A. Hart, Mary W. Wood, Benjamin L. Hart, 2008-02-28 Why do

students continue to dissect animals in biology classes Why despite the excellence of teaching resources for veterinary and human medical education that substitute for dissection do those provided for pre college students fall short in convenience flexibility and coordination with the curriculum Why Dissection Animal Use in Education looks beyond the typical yes or no debate about dissection to understand how we came to our current practice of dissection in intermediate and high school biology even as preparation of health professionals has moved away from dissection Despite the many forces that support the continued use of dissection in pedagogy teachers retain much autonomy in how they teach in the classroom and legislation in many states provide specific requirements for what should and should not be taught in separated science and health curricula offering students the option to not engage in dissection Why Dissection walks students teachers and parents through these options to help them make more informed choices regarding their science education options Teacher's Handbook Biological Sciences Curriculum Study, 2009 BSCS experts have packed this volume with the latest most valuable teaching ideas and guidelines No matter the depth of your experience gain insight into what constitutes good teaching how to guide students through inquiry and how to create a culture of inquiry using science notebooks and other strategies The AV Magazine, 1999 The NSTA Ready-reference Guide to Safer Science Kenneth Russell Roy, 2007 As a science educator you know the importance of using best safety practices to protect your students physically during hands on science instruction But do you know how to protect yourself legally even in aging facilities and crowded labs Learn the regulations and how to apply them with this clear easy to use guide to both safety practices and legal standards

Classroom Animals Stan C. Smith, 1999 Animals in Society Zoe Weil, 1991

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