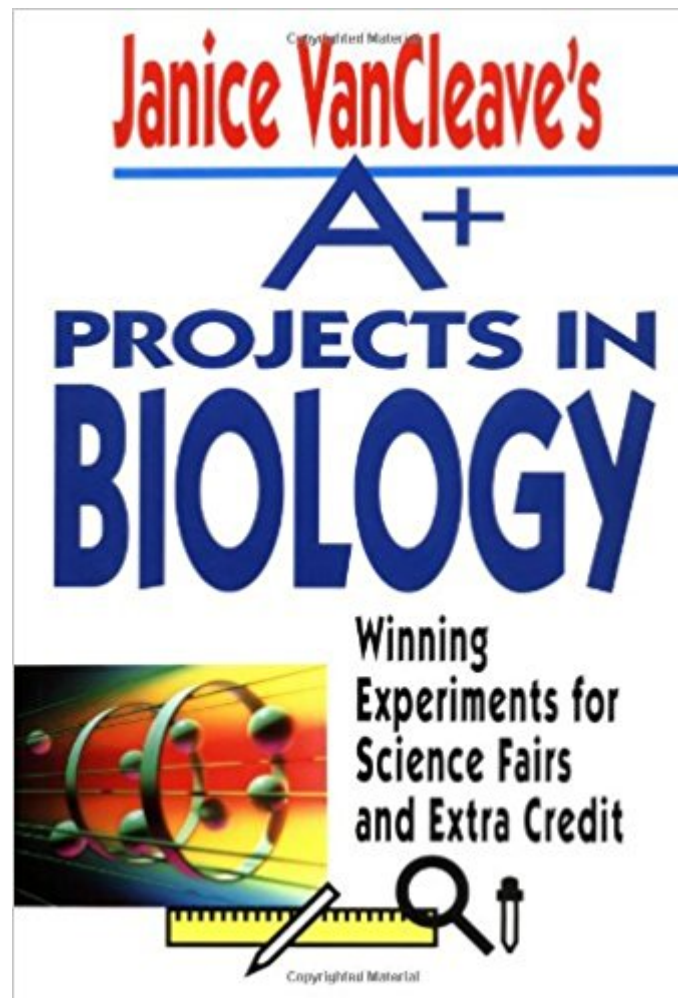




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Janice VanCleave's A+ Projects In Biology: Winning Experiments For Science Fairs And Extra Credit



Synopsis

Janice VanCleave's A+ Projects in Biology Are you having a hard time coming up with a good idea for the science fair? Do you want to earn extra credit in your biology class? Or do you just want to know how the world really works? Janice VanCleave's A+ Projects in Biology can help you, and the best part is it won't involve any complicated or expensive equipment. This step-by-step guide explores 30 different topics and offers dozens of experiment ideas. The book also includes charts, diagrams, and illustrations. Here are just a few of the topics you'll be investigating: * Seed germination * Chromatography * Food preservatives * Cellular respiration * Operant conditioning You'll be amazed at how easy it is to turn your own ideas into winning science fair projects. Also available: Janice VanCleave's A+ Projects in Chemistry

Book Information

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Age Range: 12 - 17 years

Grade Level: 7 - 12

Customer Reviews

Grade 7-10-A systematic, well-organized collection of 30 science-fair projects. VanCleave thoroughly explains the principles behind each experiment, provides step-by-step instructions on set up, and offers suggestions for exploring related topics. She introduces the volume by describing problem solving using the scientific method and gives pointers on designing displays. Projects are divided into three broad subject areas-botany, zoology, and the human body-and appendixes instruct readers on basic skills, such as preparing slides and solutions, preserving plants, etc. A

summary of the principles and objectives of each experiment, a list of materials needed, and an explanation of results are included. Black-and-white drawings, diagrams, and graphs help to clarify descriptions. These experiments require some basic knowledge of biology, and some need adult supervision. The author has done a commendable job in providing sound advice and encouragement to students interested in scientific mysteries. Salvatore Tocci's *Biology Projects for Young Scientists* (Watts, 1987) has a comparable discussion of scientific principles, but gives less detailed guidance on setting up experiments. Cynthia M. Sturgis, Leeding Library, Milwaukee, OR Copyright 1993 Reed Business Information, Inc.

Janice VanCleave's *A+ Projects in Biology* Are you having a hard time coming up with a good idea for the science fair? Do you want to earn extra credit in your biology class? Or do you just want to know how the world really works? Janice VanCleave's *A+ Projects in Biology* can help you, and the best part is it won't involve any complicated or expensive equipment. This step-by-step guide explores 30 different topics and offers dozens of experiment ideas. The book also includes charts, diagrams, and illustrations. Here are just a few of the topics you'll be investigating: • Seed germination • Chromatography • Food preservatives • Cellular respiration • Operant conditioning You'll be amazed at how easy it is to turn your own ideas into winning science fair projects. Also available: Janice VanCleave's *A+ Projects in Chemistry*

recently i had to do a major science project; one that i had to turn in or else i wouldn't get a passing grade in the class. my teacher happened to have that book, and just by flipping through the book a couple of times, i knew what my project was going to be on. it gave me suggestions on how and why and what happened. it's a great book, and if n-e-1 needs a project, this is the book!

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