

Holt Science and Technology – Physical Science Homeschool Lesson Plans

To the Parent:

We recommend that you briefly review the topics in each chapter of ***Holt Science and Technology – Physical Science*** to get a general understanding of how and when they are introduced. We also suggest that you read and familiarize yourself with the following sections of the ***Holt Science and Technology – Physical Science Homeschool Package*** before beginning instruction:

- **Teaching Resources**, TE p. T36: an overview of the **Chapter Resource Files**.
- **Program Overview** and **Program Resources Overview**, CRF pp. 1-7: an introduction to gauging students' ability levels and summary of program components
- **Meeting Individual Needs**, TE pp. T4-T7: an inventory of inclusion strategies and activities built into each chapter, as well as further suggestions for students who may be experiencing difficulty with the subject matter
- **Reading Support**, TE p. T8: an overview of features used throughout the text to make topics more engaging and accessible
- **Labs and Activities**, TE pp. T14-T15: an introduction to features such as **Start-Up Activities**, **Quick Labs**, **School-to-Home Activities**, **Internet Activities**, and **Cross-Disciplinary Activities**
- **Safety and Lab Techniques**, SE pp. xxvi-xxix, TE pp. T18-T23, and **Chapter Resource Files**, CRF pp. 8-19: rules, techniques, and tips for a safe, clean, and productive lab area
- **Cross-Disciplinary**, TE pp. T24-T25: a listing and brief explanation of components designed to link science lessons with other disciplines, such as language arts, social studies, and mathematics
- **Writing a Lab Report**, CRF pp. 20-21, **Student Project Guide**, CRF pp. 27-30, and **Writing a Research Paper**, CRF pp. 31-37: suggestions, requirements, and worksheets designed to assist students with writing reports and presenting projects
- **Scoring Rubrics**, CRF pp. 22-26 and 38-39: detailed explanations of how to score students' projects and reports

Other Important Information:

- While pages in the textbook are numbered continuously from chapter to chapter, page numbers for each chapter in the **Chapter Resource Files** begin with p. 1. Please be sure to select the correct chapter when accessing resources from the CRF.
- Chapter correlations for **National Science Education Standards** are provided for your reference on TE pp. T42-T48.
- You may want your students to keep a science journal and portfolio. You will find journal writing and portfolio assignments in various features throughout the textbook.
- Consider collaborating with other homeschool families for group activities, projects, and labs.

Key to Abbreviations

TE: Teacher's Edition, SE: Student Edition, CRF: Chapter Resource Files