

# Starry Night Education

## The Best Space Science Education Solution for Grades 6-12!

Feature	Advantage	Benefit
<b>Correlated to Standards</b>	Lesson plans are correlated by grade level and specific national/state learning standards.	Allows teachers to meet their specific curriculum requirements
<b>Multi-Dimensional teaching approach</b>	Lesson plan concepts are approached by a combination of hands-on activities, computer exercises, DVD movie content and software guided explorations.	Provides the student with a variety of ways to understand a key concept and provides the teacher with a variety of approaches when teaching a key concept. These approaches can be used together or as individual teaching components.
<b>Instructional model</b>	Classroom instructional model diagram based on a 60 minute lesson plan that combines the various activities available to the teacher. These include hands-on activities, computer exercises, DVD movie clips, software guided tours and free explorations with Starry Night planetarium software.	Provides an effective and simple way to organize instruction and classroom activity
<b>Teacher Guide with 26 Lesson Plans</b>	Comprehensive introduction and guide to teaching astronomy	Provides an introduction to the novice astronomy educator and a breakdown of the resources available and how to best utilize them in the classroom. Provides fresh ideas for experienced educators.
<b>Conceptual Background</b>	Conceptual background explains the scientific principles behind the key concepts introduced in the lesson plan	Provides a clear, base level knowledge of the topic covered
<b>Hands-on classroom activities</b>	Interactive hands-on activities visually model key astronomical concepts. Detailed graphics are used to illustrate how to set up the activity.	Provides students with a hands-on learning approach that reinforces the conceptual background for the lesson plan
<b>Extensions</b>	Activities and exercises that go beyond the required learning outcomes for students' continued enrichment	Students can gain extra credits, challenge themselves or delve deeper into a topic area.
<b>Starry Night Software</b>	Virtual planetarium software program that presents accurate visualizations of hard-to-understand astronomical concepts	Allows students to manipulate time and change their location in space in order to gain a solid understanding of astronomical concepts.
<b>Computer Exercises</b>	Software guided, student driven interactive computer exercises	Reinforces conceptual background and hands-on activities with real-time and accurate software simulations of astronomical concepts
<b>Student Worksheets</b>	Reproducible worksheets for the Starry Night computer exercises	Appropriately spaced worksheets with student instructions make it simple to evaluate student progress.
<b>Assessment Test</b>	A bank of test questions with answers serve as an assessment tool for the teacher.	Provides for quick assessment of student knowledge
<b>Answer Keys</b>	Answers to student computer exercises and worksheets	Provides a quick way to gauge student comprehension of key concepts
<b>"SkyGuide" Guided Tours</b>	"Click on" preset activities that the teacher and student can do with the software	Fun guided tours enhance and supplement concepts covered in the lesson plan. Teacher supervision is not required.
<b>Starry Night QuickStart</b>	A how-to-guide on using the most basic Starry Night software functions	Provides the basic skills to freely explore the universe with Starry Night software
<b>SkyTheater DVD</b>	Contains over an hour of original movies featuring dramatic, accurate visualizations of astronomical objects and phenomena	Engaging visualizations enrich the classroom learning experience and supplement key concepts
<b>Companion Book (in PDF)</b>	A comprehensive 200 page introductory astronomy book written by a leading astronomy educator	Clearly written and engaging text covers the basics of the night sky and how to get the most from stargazing
<b>Copy masters of digital images</b>	Copy masters of selected graphics that illustrate key concepts	Allows for reproduction and projection in classroom environment
<b>Resource Lists and Appendices</b>	Data tables, formulae, how-to, and links to additional resources	Reference data for teachers
<b>Glossary</b>	A 350 word dictionary on the most common astronomical terms	Quick teacher reference for terms cross-referenced through lesson plans