

KITES

Lesson Plan: Double-Pocket Sled Kite

Grade Level:	7-8
Subject Area:	Science and Math
Time Required:	Preparation: 1 hour Activity: 2-3 hours
National Standards Connections:	Science/grades 7-8 <ul style="list-style-type: none">Science as Inquiry (Standard 1) Understanding characteristics of inquiryEarth and Space (Standard 2) Earth's structure, models, and explanationScience as Inquiry (Standard 3) Ability necessary to describe inquiry Math/grades 8-9 <ul style="list-style-type: none">Geometry (Standard 1) Use visualization, spatial reasoning, and geometric modeling to solve problemsAlgebra (Standard 1) Represent and analyze mathematical situations and problems using algebraic symbolsMeasurement (Standard 1) Understand measurable attributes of objects, and their units, systems, and conversions
Summary:	Students will build a double-pocket sled kite using an integrated mathematics approach. They will utilize skills associated with integrated construction, pattern creation, and kite building, while following a process of discovery. They will also apply certain mathematical concepts, such as surface area, and the principles of flight to the kite that they create. Finally, they will learn to use appropriate flight and kite terminology when describing their and why their kite flies.
Objectives:	Students will: <ul style="list-style-type: none">Construct a diagram of a great kite.Give proportions to create an appropriate pattern for a kite.Build a kite according to pattern specifications.Calculate the surface area of the kite they create.Attach a bridle along the joint to the kite they create.Fly the kite, using correct safety construction and flying methods.Describe the kite according to Alexander's Strangle and the four forces of flight.
Background:	There are four forces that act upon objects in flight: lift, gravity, thrust, and drag. Lift comes on objects in air, gravity comes on objects in fall, thrust comes on objects in motion in a given direction, and drag comes on resistance that object's motion. When designing a kite that flies, these four forces will need to work together to create flight. Careful attention will need to be paid to the design of a proper bridle using and how great – two important details that constitute a great angle of attack. Students will have to incorporate mathematical and scientific skills in cooperative groups to accomplish this task. This is an excellent way to integrate learning across disciplines.



Kite Building Lesson Plan

Wenbin Ji

A decorative graphic element consisting of a light blue horizontal bar with a rounded right end, and a red circular glow behind it.

Kite Building Lesson Plan:

Kites and Other Flying Objects , **Expanding Notions of Assessment for Learning** Bronwen Cowie, Judy Moreland, Kathrin Otrrel-Cass, 2013-02-11 Assessment for learning AfL is bound up with students becoming autonomous lifelong learners who are active participants in the classroom and beyond This book explores teacher and student experiences of AfL interactions in primary science and technology classrooms Working from a sociocultural perspective the book s fundamental premise is that AfL has a contribution to make to students developing identities as accomplished learners and knowers The focus is on understanding and enhancing teacher practices that align with the spirit of AfL The following points are illustrated AfL interactions are multifaceted multimodal and take place over multiple time scales Student learning autonomy is promoted when teachers provide opportunities for students to exercise agency within a system of accountabilities Teacher pedagogical content knowledge plays a pivotal role in teachers being able to respond to students Productive AfL interactions are reflective of the way a particular discipline generates and warrants knowledge The book will be of interest to teachers and educational researchers who want to examine AfL from a theoretical and a practical perspective

I Am a Muslim: A Modern Storybook Susan Douglass, 1995-01-01 This unit is built around a set of paired stories one from the Qur an or authentic traditions and one related modern story The overall objectives are 1 to awaken the children s awareness of their identity and worth as Muslims 2 to model Islamic behavior patterns and 3 to cultivate a sense of identification and community with Muslims of long ago and in other parts of the modern world While the unit is designed for kindergarten its stories and activities may be useful for values instruction throughout the primary grades in a variety of instructional settings including full time weekend and home schools This unit emphasizing values education may also be useful in Muslim parenting classes Each lesson consists of the story pair to be presented to the children orally or dramatically and suggested discussion guidelines and activities through which the values and related behaviors are developed and reinforced in the children s understanding The 15 lessons are intended to implement teaching objectives in various units taught in a typical Islamic kindergarten social studies curriculum on a selective or exhaustive basis throughout the year

Teaching Multicultural Children's Literature in a Diverse Society AnnMarie Alberton Gunn, Susan, V. Bennett, 2023-03-28 This textbook is a comprehensive resource for teaching multicultural children s literature Providing foundational information on how and why to integrate diverse children s literature into the classroom this book presents a necessary historical perspective on cultural groups in the United States and context for how to teach children s literature in a way that reflects and sustains students rich cultural backgrounds The historical insights and context on diverse cultural groups at the heart of the book allow readers to deepen their understanding of why teaching about cultural diversity is necessary for effective and inclusive education Part I offers foundational information on how to teach children s literature in a diverse society and Part II overviews pedagogy resources and guidance for teaching specific culturally and linguistically

marginalized groups Each chapter contains book recommendations discussion questions and additional resources for teachers With authentic strategies and crucial background knowledge embedded in each chapter this text is essential reading for pre service and in service teachers and is ideal for courses in children s literature literacy methods instruction and multicultural education Science and ICT in the Primary School John Meadows,2012-12-06 With a strong focus on helping children to learn the big ideas in science this book provides detailed and practical guidance on how to use ICT to support creative science teaching Emphasizing learning science through the technology rather than from it the book strikes a good balance between practical and academic dimensions through practical suggestions on how to plan schemes of work and lessons case studies that highlight how ICT can be incorporated into cross curricular themes of study examples of real science lessons advice on organizing learning in out of school settings Written with the standards for achieving qualified teacher status in mind this user friendly text is a vital resource for all students on initial teacher training courses and newly qualified teachers at primary level Primary Plans ,1913 *Methods in Teaching Developmental Reading* Eddie Clifton Kennedy,1981 **Effective School Consultation** George M. Sugai,Gerald Tindal,Gerald A. Tindal,1993 This practical text provides special educators with strategies they can actually use in collaborating with other professionals and parents The authors cover such topics as when to ask for help and when to refer and offer readers a compilation of the best practices to follow for effective consultation and collaboration Designed primarily for special educators who work with other educators in planning implementing and evaluating education programs for students with learning and or behavior difficulties this text provides a systematic approach to the skills of consultation The authors approach prescriptive case consultation emphasizes modifying teacher behavior and classroom environments using social learning principles to assist consultees and applying a direct approach to intervention selection and decision making Unlike other texts that focus more on the process of consultation this text focuses on practical skills including How to choose an appropriate intervention How to use change in client behaviors as a measure of consultation and intervention success How to collect useful assessment data including published assessment instruments functional analyses curriculum based measurement and ecological assessment How to identify and analyze problems How to implement and monitor basic building classroom and individual behavior management strategies How to manage meetings communicate with others prepare written communications and work on specific problem situations *Classroom Connect Newsletter* ,1999 Popular Science Monthly ,1920 The EPIC Generation: Experiential, Participative, Image-Driven, Connected Jose A. Fadul,2010-04-21 The characteristics of students of today were gathered from student outputs key informants and literature regarding students life style positioning and peculiar traits From the data collected key points were marked with codes extracted from the text and grouped into similar concepts From these concepts categories were formed which became the basis for an acronym to describe the peculiar characteristics of today s generation At saturation point the acronym epic was chosen to convey the four emergent themes which may literally

mean extending beyond the usual or ordinary especially in size or scope Indeed the present generation is of unprecedented size in its interconnections via World Wide Web Secondly this generation is fittingly called Epic Generation because of its peculiar characteristics experiential participative image driven and connected

Normal Instructor and Primary Plans,1926 **Popular Science Monthly and World Advance** ,1926 *Industrial-arts Magazine* ,1924 *Teacher* ,1972
American Agriculturist ,1907 *The Air & Space Catalog* Joel Makower,1989 A directory of organizations materials and activities connected with aeronautics space exploration aviation and meteorology **Creating Science Education that is Multicultural** Lisa A. Wachtel,1995 *American Book Publishing Record* ,1984 East Asian Studies Center Newsletter Indiana University, Bloomington. East Asian Studies Center,1994

Delve into the emotional tapestry woven by Emotional Journey with in Experience **Kite Building Lesson Plan** . This ebook, available for download in a PDF format (*), is more than just words on a page; it's a journey of connection and profound emotion. Immerse yourself in narratives that tug at your heartstrings. Download now to experience the pulse of each page and let your emotions run wild.

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