

SUMÁRIOS CORRENTES



V.15 – N.1
Janeiro 2009

MUSEU DE ASTRONOMIA E CIÊNCIAS AFINS
Coordenação de Documentação e Arquivo
Serviço de Biblioteca e Informação Científica

APRESENTAÇÃO

A publicação "Sumários Correntes", está entrando em 2008, em uma nova fase de sua vida. Na busca de atender cada vez mais interessados nas áreas de Divulgação Científica, História da Ciência, Museologia, Documentação e Arquivologia, passará a ser disponibilizada on-line no portal do MAST e terá periodicidade mensal.

A relação de todos os títulos que fazem parte dos Sumários está anexada ao fim da publicação. Eles possuem periodicidade variada.

Os interessados em solicitar cópia dos artigos deverão preencher o formulário, em anexo, e enviá-lo das seguintes formas: por e-mail, fax ou correio.

Críticas e sugestões serão bem aceitas para o fortalecimento e aperfeiçoamento do nosso trabalho.

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DIVULGAÇÃO CIENTÍFICA

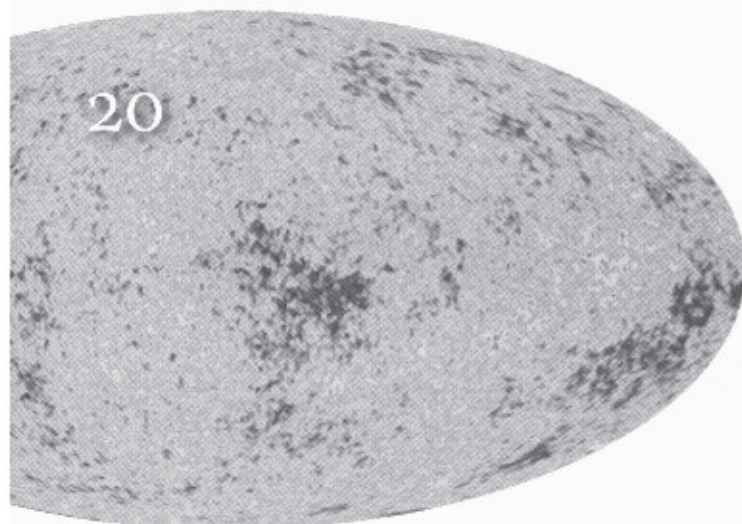


MATÉRIA DE CAPA
Há quem diga que vivemos a idade de ouro da cosmologia. Apesar disso, algumas das idéias cosmológicas mais fundamentais continuam de difícil apreensão. *Astronomy Brasil* selecionou as cinco principais fontes de confusão nesta área para uma discussão de interesse lúdico e instrutivo para seus leitores

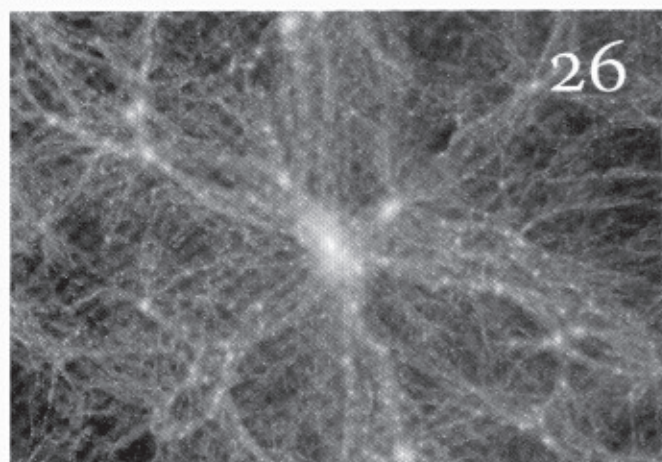
Astronomy[®]

O universo em suas mãos **BRASIL**

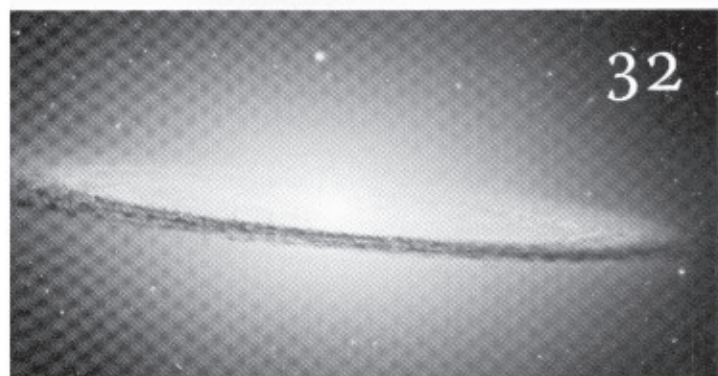
maio 2007



NASA/WMAP SCIENCE TEAM



VIRGO CONSORTIUM/SPRINGEL ET AL.



NASA/ESA/STSC

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Confuso com a lei de Hubble? Perplexo com o Big Bang? Sintonize seu conhecimento sobre o Universo com as respostas às grandes questões cosmológicas **LIZ KRUESI**

26 Como criar 20 milhões de galáxias

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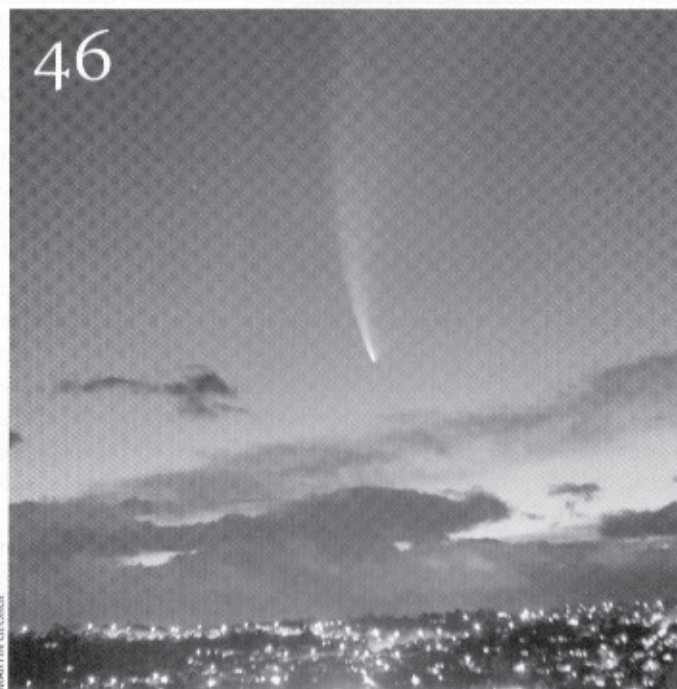
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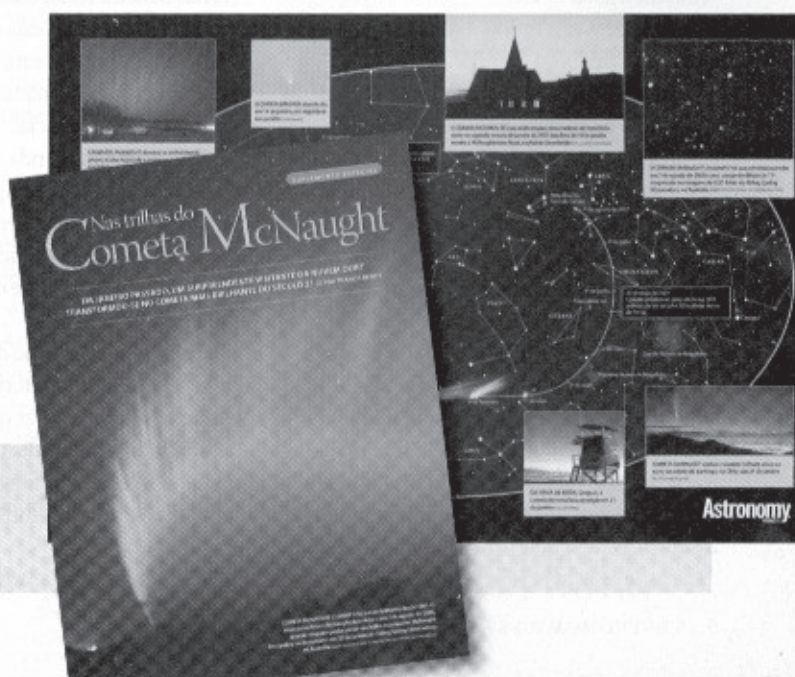
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Você sabia que os índios dão às constelações nomes bem diferentes dos que estamos acostumados? Os Guarani Mbya, que vivem no Rio de Janeiro, além de nomes diferentes, contam histórias curiosas sobre os conjuntos de estrelas que observam no céu. Aposto que você vai adorar saber um pouco mais da astronomia indígena. Mas não se perca no céu, porque você é o nosso convidado especial para refazer os caminhos de Darwin pelo Rio de Janeiro – uma aventura e tanto! E guarde fôlego porque tem ainda muitas informações interessantes sobre cogumelos, oceanógrafos, paraquedas... Agora, fim de papo e boa leitura!

- 2** Uma viagem ao céu dos índios, constelações e lendas pelos olhos dos Guarani Mbya.



- 6** A trilha de Darwin em 2008. A CHC participou de uma expedição que você não pode perder!

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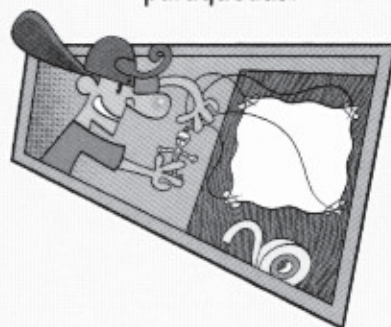
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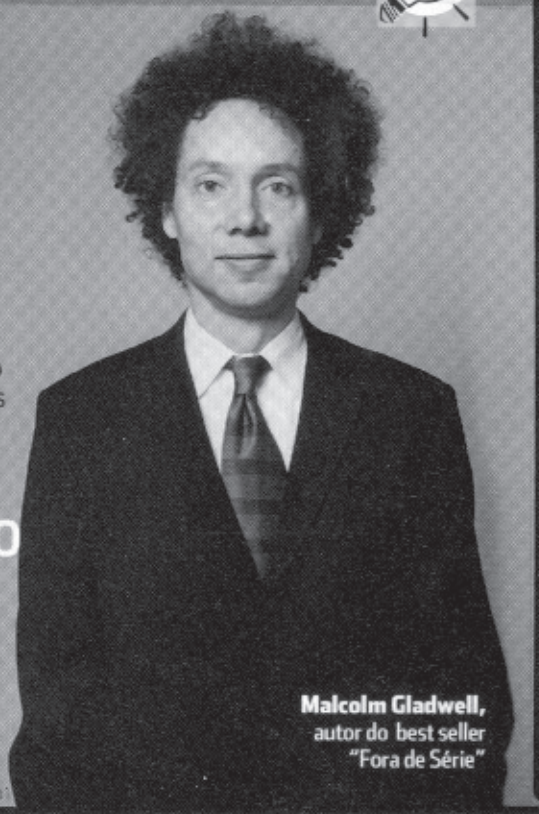
COMPORTAMENTO

MISSÃO POSSÍVEL

Nova leva de livros mostra que fatores como um ambiente favorável, amizades certas e muito treino podem ajudar alguns mortais a atingir a genialidade

MALHAÇÃO CEREBRAL

Prepare-se para ralar e encare 25 exercícios criados especialmente para quem quer turbinar a cabeça



Malcolm Gladwell,
autor do best seller
"Fora de Série"

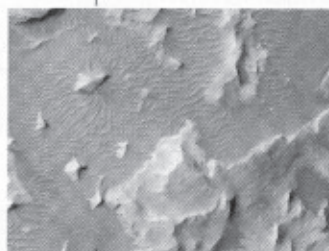


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The Planetary Report

Vol. 28, N. 6, nov./dez. 2008

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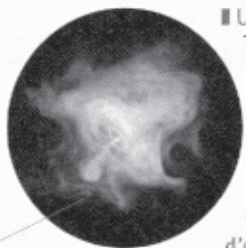
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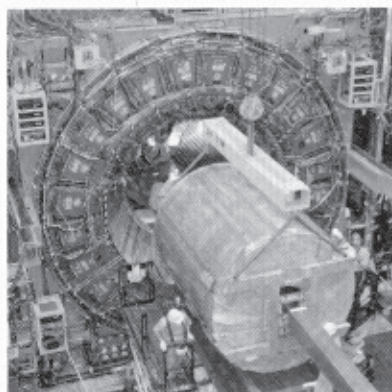
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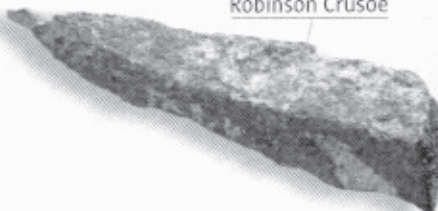


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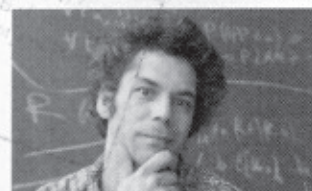


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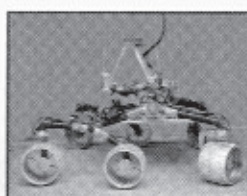
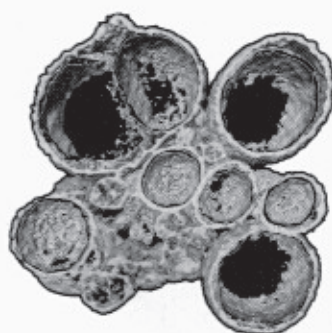
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de la science dans l'année qui
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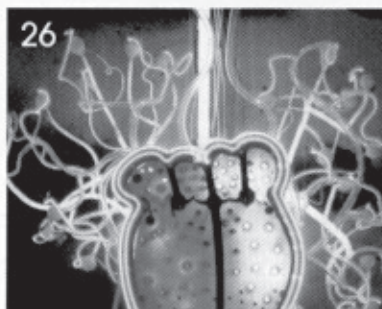
■ Boris Cyrulnik : Arrêtons de penser
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English content on www.larecherche.fr

Revue du Palais de la DÉCOUVERTE

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08 Curiosités célestes par Sébastien Fontaine

12 Terroirs, les racines du vin

par Patrick De Wever, Jean-Yves Reynaud
et Monica Rotaru

Un même pied de vigne planté sur du calcaire, du granite ou du sable donnera un raisin gorgé d'éléments différents et produira, dans chaque cas, un jus aux arômes particuliers. Pour savoir si cela explique la diversité de nos vins, suivez les aventures de trois pieds de vigne en Bourgogne et en Beaujolais.

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30 CIÊNCIAS PLANETÁRIAS Novos Mundos se Revelam no Oceano Galáctico

Por Adnan T. Hadhazy

Mais de 300 planetas extra-solares foram identificados em torno de estrelas da Via Láctea, mas nenhum revelou sinais de que abriga vida. A seleção de uma dezena deles mostra a diversidade de padrões desses mundos.

Associação Cultural de Amigos do
Museu de Astronomia e Ciências Afins.
SAMAST

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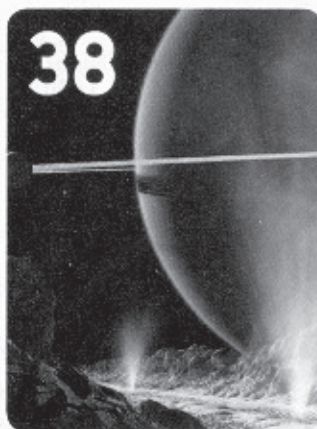
Por Susana Martinez-Conde e Stephen L. Macknik

Mágicos há séculos exploram os limites da cognição e da atenção. Agora, neurocientistas começam uma corrida em busca de um tempo perdido.

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Descobertas fósseis e genéticas elucidam a evolução dos morcegos, além de solucionar um antigo debate sobre as origens do voo e da ecolocalização.



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NA CAPA

Planeta com 22 massas terrestres gira em torno da estrela Gliese 436, uma anã-vermelha a 30 anos-luz da Terra, nesta concepção artística. No interior da constelação do Leão, planeta orbita a estrela com período de apenas dois dias e meio, em lugar dos 365 dias da Terra.

Imagem: ESA/Hubble. Refeita por Paulo Werner

TECNOLOGIA AUTOMOTIVA

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Por Steven Ashley

A próxima geração de tecnologia de segurança veicular deverá produzir veículos que dificilmente irão colidir – e posteriormente poderão até dispensar motorista.

CRONOBIOLOGIA

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Por Cláudia Roberta de Castro Moreno, Fernando Mazzilli Louzada e Mário Pedrazzoli

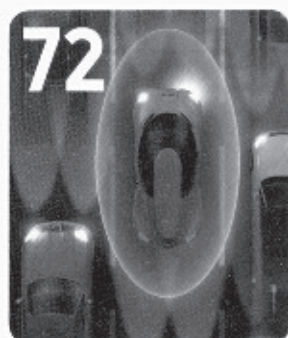
Controle da ritmicidade circadiana depende de três fenômenos: geração de ritmicidade, propriedade demonstrada pela maioria das células do organismo, sincronização entre as células e ajuste dos ritmos aos ciclos ambientais.

ASTRONOMIA

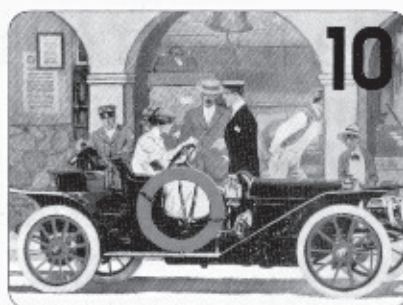
88 O Legado de Galileu

Por Augusto Damineli e Tasso Napoleão

400 anos depois do uso pioneiro da luneta por Galileu, a União Astronômica Internacional, com apoio da Unesco, comemora o Ano Internacional da Astronomia. Brasil tem programação ampla e diversificada.



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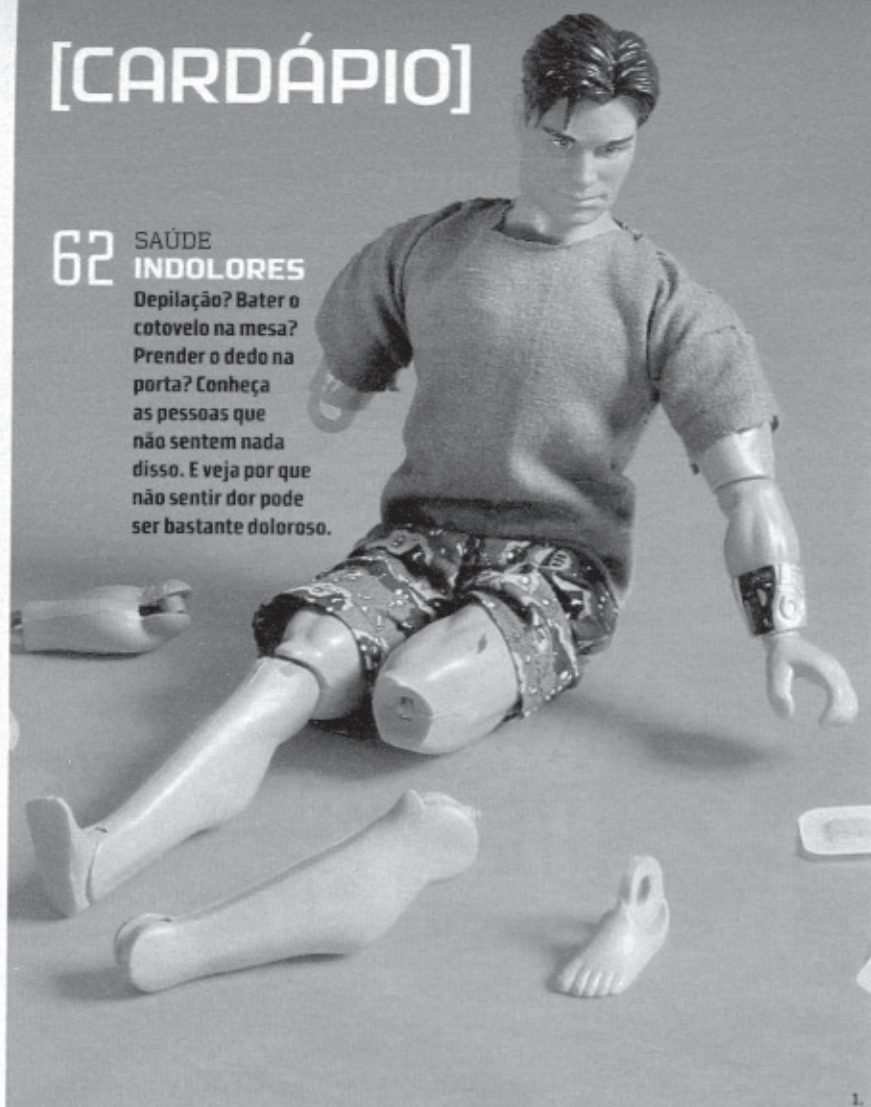
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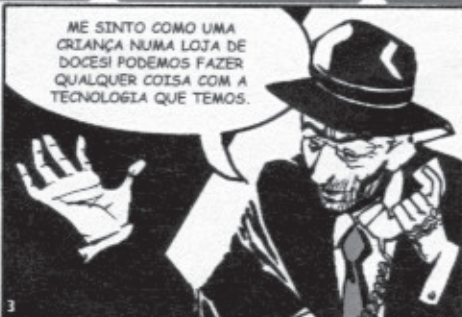
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Bimonthly News Journal of the Association of Science-Technology Centers

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September/October 2008

In April, ASTC committed to a new strategic direction, recognizing the responsibility of science centers to address critical societal issues locally and globally. The Toronto Declaration, presented at the Fifth Science Centre World Congress in June, underscored ASTC's new focus, proclaiming that science centers can be "a powerful force for good." By promoting dialogue on issues like climate change and human health, science centers can help forge the way toward a better future.

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Dimensions

Bimonthly News Journal of the Association of Science-Technology Centers

IN THIS ISSUE

January/February 2009

Science centers serve a variety of core audiences, from visitors to volunteers to Internet users. But who are these audiences and what kinds of experiences are they looking for? A recent Reach Advisors–ASTC survey identified mothers of young children as one of the largest science center audiences, and men over 60 as one of the most committed. In this issue, we take a look at these and other core users and examine ways to keep them happy and engaged.

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Educação e Filosofia

Vol. 22, N. 43, jan./jun. 2008

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Investigation Skills

Teaching investigation skills can help students move into understanding and applying content to solve real problems. This issue will help pave the way to teach students these core science skills. Cover image by Punchstock/Digital Vision.

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Failed germination leads a fifth-grade classroom into inquiry.
Stephanie Byrne

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Inquiry comes in various forms.
Heather Banchi and Randy Bell

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30 Investigating With Charles Darwin

Upper-elementary students conduct inquiry with plants and worms using investigations inspired by the famous naturalist.
John Eichinger

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33 Worms Out of This World!

Earthworms excite young students to develop their observation skills.
Allison Blackwell

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An exciting boat challenge motivates third-grade students to learn and develop their design technology and problem-solving skills.
Aaron Schomburg

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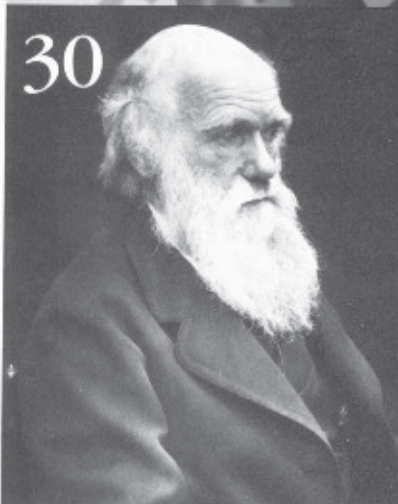
40 The Benefits of Scientific Modeling

Constructing, using, evaluating, and revising scientific models helps students advance their scientific ideas, learn to think critically, and understand the nature of science.
Lisa Kenyon, Christina Schwarz, and Barbara Hug

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October



Science & Children

NSTA's peer-reviewed journal
for elementary teachers

October 2008 Volume 46 Number 2

On The Cover



Literacy Skills

There's more to teaching science and literacy than using trade books effectively in the classroom. From connections charts to rubrics for assessing science journal entries and more, this issue highlights some of the creative tools your colleagues are using to inform their teaching and help their students develop richer skill sets in both science and literacy. *Cover image by Joseph Butera.*

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Larisa Beckstead

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Support science instruction with these useful strategies.

Julie Jackson, Gayle Allen, and Gail Dickinson

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Patricia Patrick and Angela Getz

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Jennifer C. Mesa, Michelle L. Klosterman, Linda L. Cronin-Jones

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A five-step model to help teachers design integrated science lessons using trade books—and develop both science and literacy processes

Charlotte Rappe Zales and Connie S. Unger

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Lisa Nyberg and Susan McCloskey

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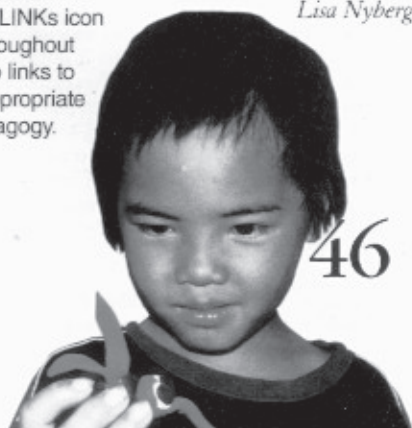


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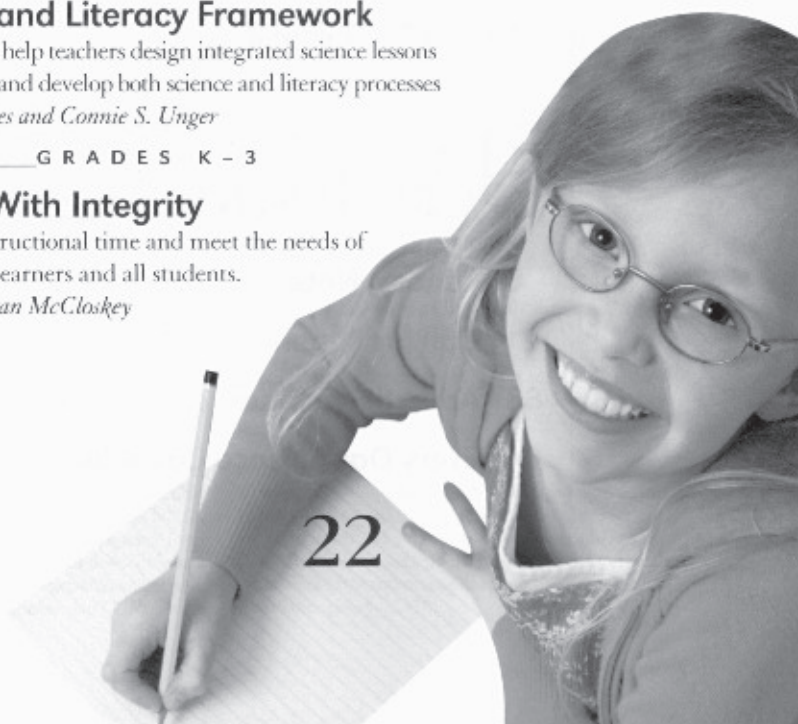


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Science & Children

NSTA's peer-reviewed journal
for elementary teachers

November 2008 Volume 46 Number 3

On The Cover



States of Matter

Chemistry is all around us. We are chemicals, we eat chemicals, we wear chemicals, and we breathe chemicals. Yet, the prevailing public opinion is that "chemicals" are "bad." A change in attitude is definitely in order. Through the articles in this issue, we grow an appreciation and knowledge base to help teachers and students improve knowledge and attitudes. Cover image by PunchStock.

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Using children's ideas about matter to inform instructional planning
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Mary Heckscher

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Demonstrations exploring water as a solid, a liquid, and a gas
Anamika Dasgupta

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Support learning about properties of matter for ELL—and all—students with these techniques.
Sandra Husty and Julie Jackson

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36 Dinosaur Extinction, Early Childhood Style

A story about dinosaurs jumpstarts the creation of a community of science learners in a preschool classroom.
Mary Murray and Lesley Valentine-Anand

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The big understandings approach to lesson planning can deepen students' connections across subjects.
Debbie Powell, Dick Needham, and Roberta Avam

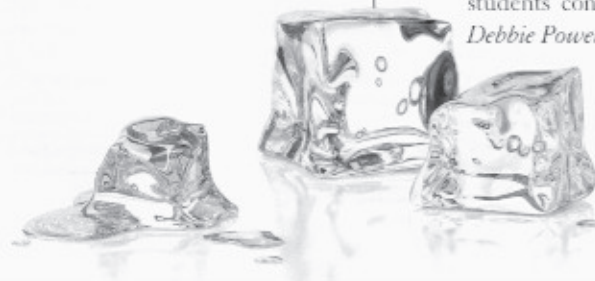
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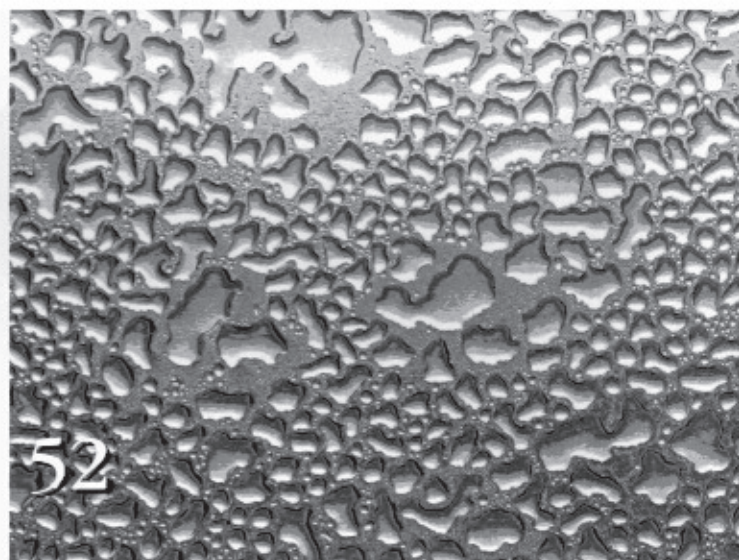
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Science & Children

NSTA's peer-reviewed journal
for elementary teachers

December 2008 Volume 46 Number 4

On The Cover



Record Keeping in Science
Record keeping is fundamental to doing science. Without records, patterns escape notice. This issue provides ideas to strengthen students' and your skills in data collection. *Cover image by Punchstock.*

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20 Just Like Real Scientists

Famous primatologist Jane Goodall and her modern counterpart Ian Gilby inspired third graders to conduct their own animal behavior—of their pets—and keep records as scientists do.

Pat Betteley

GRADES K - 6

25 Practitioner Research Success!

An inside look at using classroom research to inform and improve teaching

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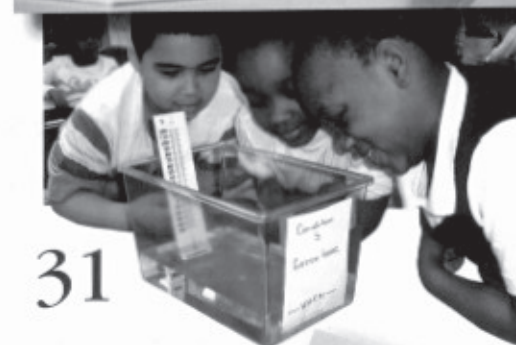
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