



Webinar „STEM and Reading Aloud“

Linking STEM and Language: Volunteer Readers

What is STEM?

Science +++ Technology +++ Engineering +++ Mathematics

STEM

Volunteer readers...

- ... pass on their enthusiasm for books.
- ... offer occasions to speak.
- ... arouse topic-related interest.
- ... discover basic literary and scientific approaches with the children.
- ... have a long lasting positive impact on the topics books and reading.



Konfuzius

„Sage es mir, und ich vergesse es.
Zeige es mir, und ich erinnere mich.
Lass es mich tun, und ich behalte es.“

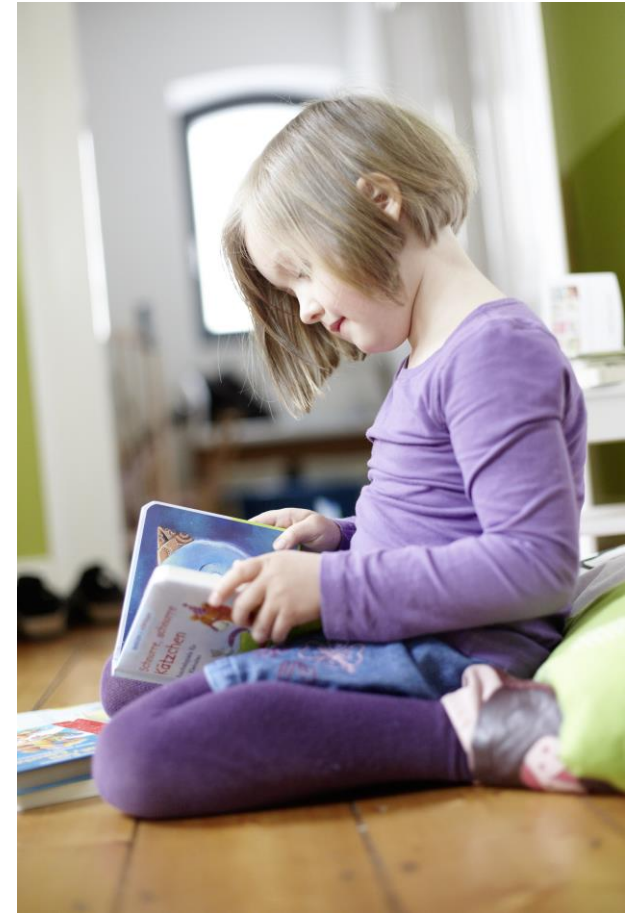
—

"Tell me and I will forget,
show me and I may remember,
involve me and I will learn."

Confucius

Children learn...

- ... by their own doing.
 - ... through their own experience.
 - ... through communicating.
 - ... when they enjoy doing sth.
 - ... from adults who don't know everything better than them. 😊
- The playful mediation of STEM basics relies on the child's curiosity!



Children's questions

Why do ladybugs have spots?

How are images transmitted into television?

Why is a banana bent?

Why do I have to eat vegetables?

Why is the sky blue?

Who lives on the moon?

Why does the bread always fall buttered side down?

Why do leaves change colour?

The practice of reading aloud

1. Opening ritual – as a recognizable beginning of the reading aloud session!
2. The dialogic principle
3. Significance of rituals and regularity



Reading aloud – Dos and Don'ts

Presentation/Lecture

Block questions while reading

Stick to the text

Too quiet, too fast, too
monotone, without breaks

Explore the text together

Interact while reading

Shortening, mix of reading
aloud and storytelling

Loud, slowly, lively, with
breaks after units of meaning

Reading aloud and follow-up activities



Reading aloud and follow-up activities



experi-
ments

Simple, quick to perform and as spectacular as possible!

Simple material,
arrange details with the institution!



coloring
and
crafting



construc-
ting and
building

Use existing (play-)material

Reading aloud and follow-up activities

investi-
gating



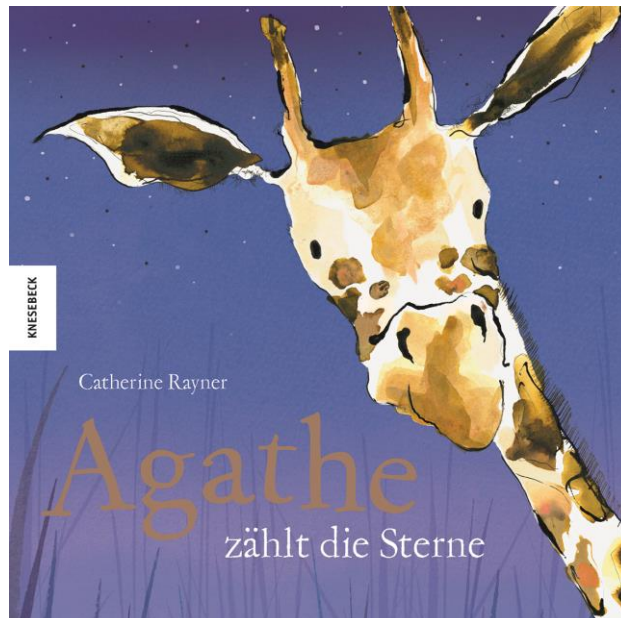
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Safe research with kids search engines

www.kidzsearch.com

www.squirrelnet.com

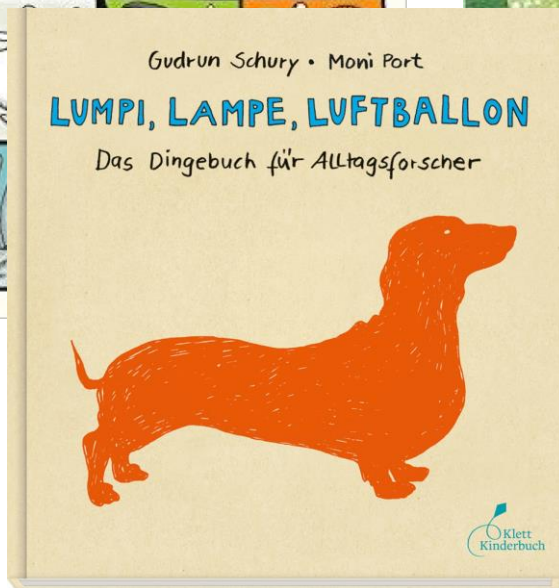
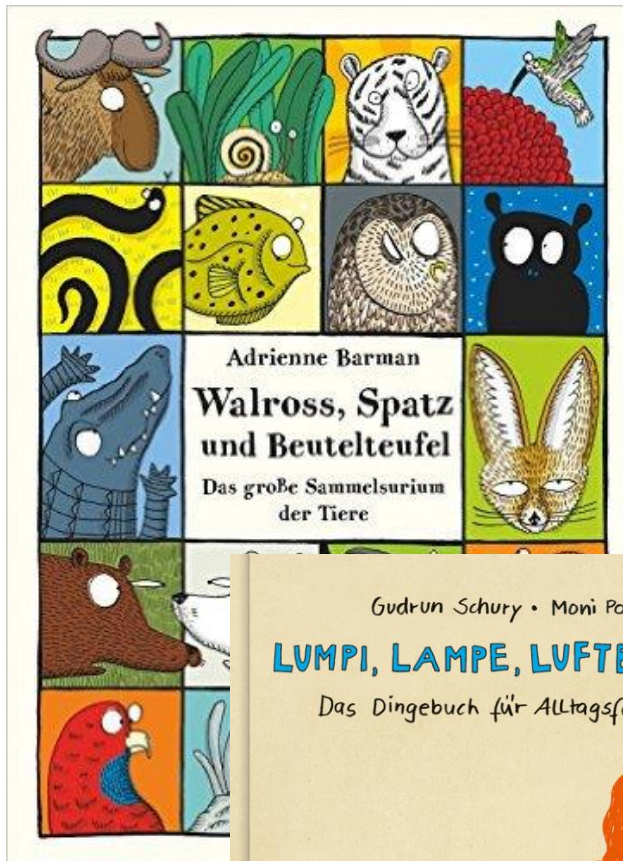
www.kidrex.com



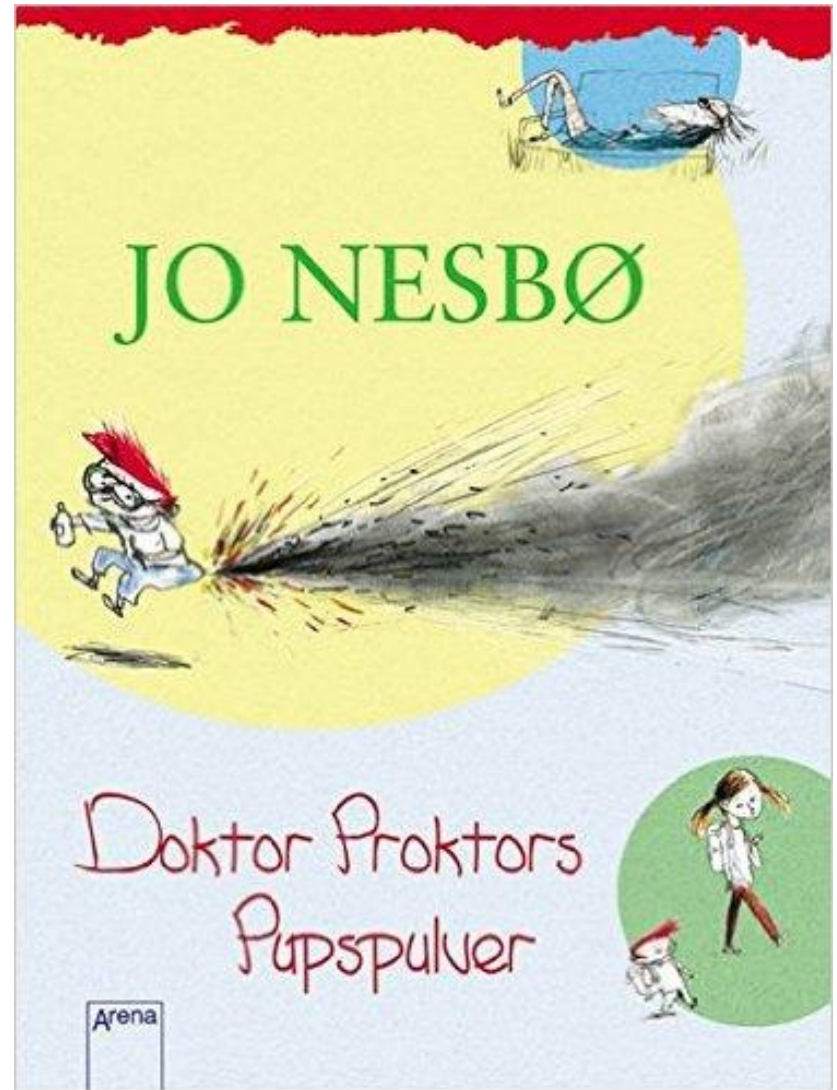
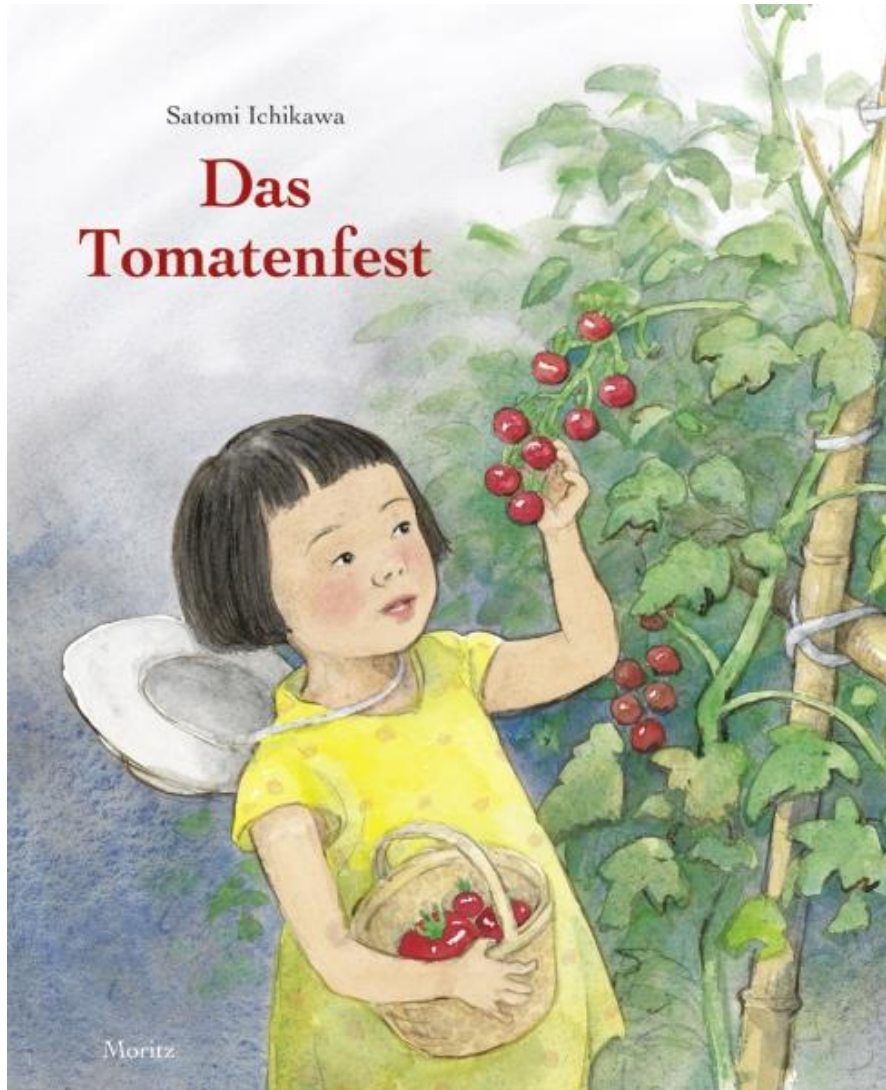
Create an
understanding for the
world of numbers

discovering
the world
of numbers

Non-fiction (picture) books



Stories and picture books



Digital options for reading aloud sessions

Petterssons Erfindungen,
Oetinger Media



Die kleine Raupe Nimmersatt
und ihre Freunde, StoryToys



Digital options for reading aloud sessions



Mein Raumschiff,
urban pockets



Reading aloud and follow-up activities / examples

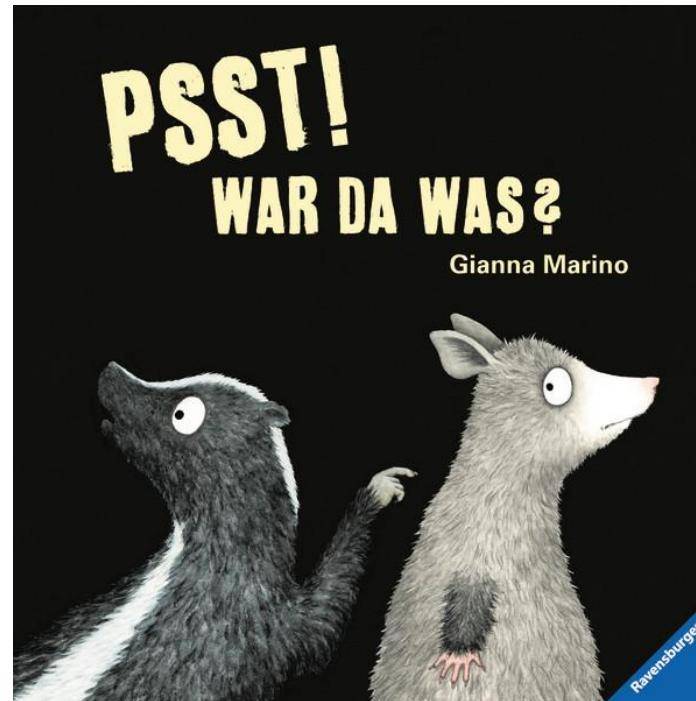
You don't
necessarily need
STEM books...



... for STEM activities!

Reading aloud and follow-up activities / examples

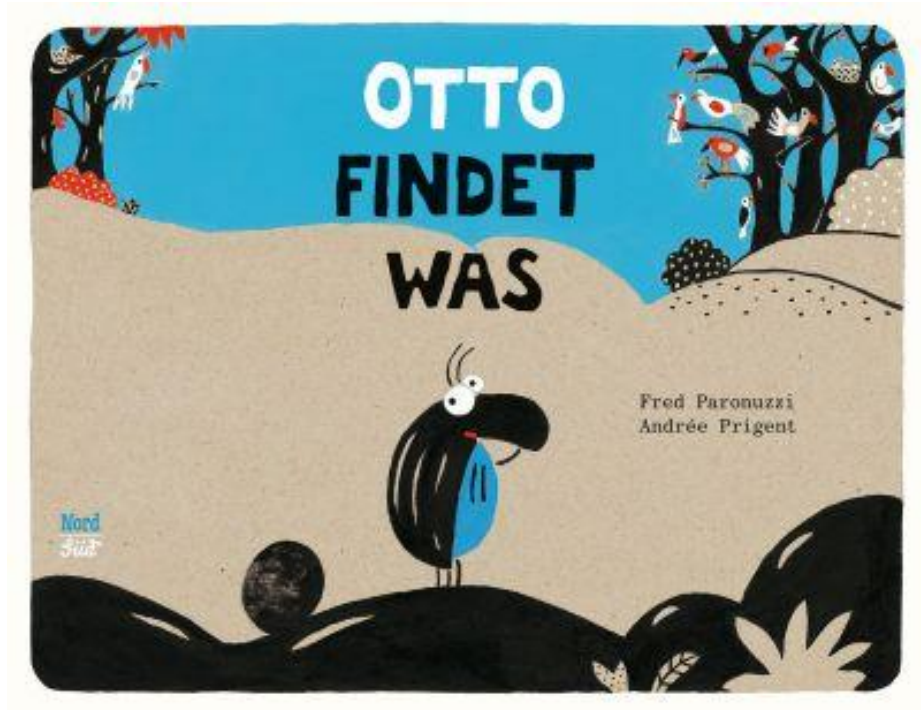
Suspense creates attention!



Activity idea: Animal Profiles

Reading aloud and follow-up activities / examples

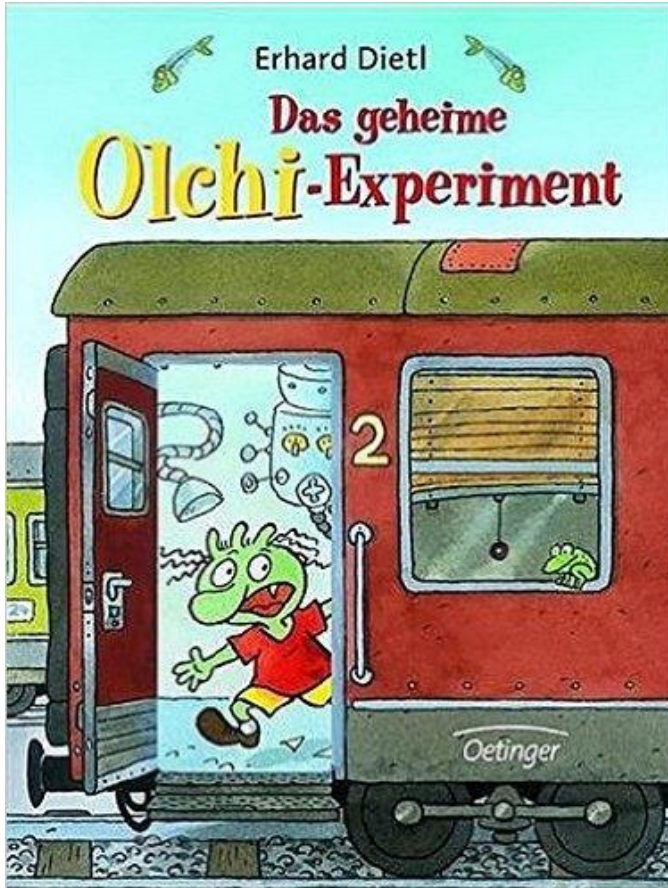
Brainteasers always
work!



Activity idea 1: egg size comparison and classification

Activity idea 2: How fresh is the egg?

Reading aloud and follow-up activities / examples



Almost every child loves infamous stuff!



Activity idea: Scientific flatulences

Develop your own activity ideas

What is this book / story about?

Which part of the content / topic could be strengthened?

When do activities fit best: in the beginning, while telling the story or in the end?

What other books or material do I need?

List of titles

Autor	Titel	Verlag	ISBN
Catherine Rayner	Agathe zählt die Sterne	Knesebeck	9783868737981
Adrienne Barman	Walross, Spatz und Beutelteufel	Aladin Verlag	9783848900909
Gudrun Schury/Moni Port	Lumpi, Lampe, Luftballon – Das Dingebuch für Alltagsforscher	Klett Kinderbuch	9783954701377
Heidi Trpak	Willi Virus – Aus dem Leben eines Schnupfenvirus	Tyrolia	9783702234867
Deborah Kespert	Erfinder – Die großartigsten Genies aller Zeiten	moses	9783897778276
Satomi Ichikawa	Das Tomatenfest	Moritz	9783895652561
Jo Nesbø	Doktor Proktors Pupspulver	Arena	9783401063041 (Band 1)
Fred Paromuzzi	Otto findet was	NordSüd	9783314103339
Gianna Marino	Pssst! War da was?	Ravensburger	9783473446766
Erhard Dietl	Das geheime Olchi-Experiment	Oetinger	9783789133107 (Band 1)
APP	Petterssons Erfindungen deluxe	Oetinger	
APP	Die kleine Raupe Nimmersatt und ihre Freunde	StoryToys	
APP	Mein Raumschiff	urbn pockets	

Thank you for your attention!

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For further information please see:

<https://www.telekom-stiftung.de/de/mint-vorlesepaten>

<http://www.netzwerkvorlesen.de/vorlesen-aber-wie/mintundvorlesen/>