



## 2018-09-PL- Lehr-/Lernmethoden in den MINT-Fächern - Schüler

FRAGEN

ANTWORTEN 31

31 Antworten



ZUSAMMENFASSUNG

EINZELANSICHT

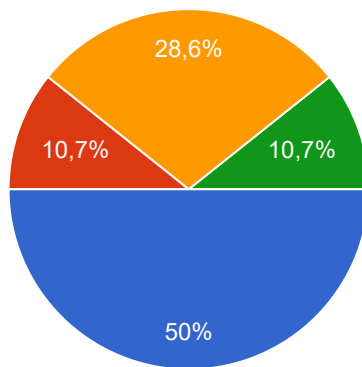
Antworten möglich



### 1. MINT -Fächer/STEM subjects



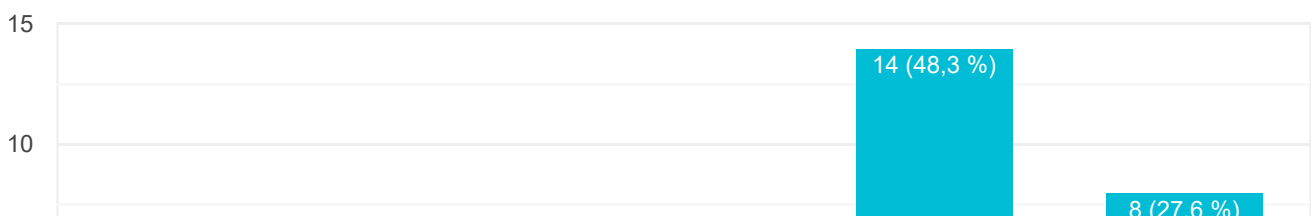
28 Antworten



- mag ich gerne und komme gut zurecht/ I enjoy STEM subjects and do well in them
- mag ich nicht so gerne, komme aber gut zurecht/I do not enjoy STEM subjects but do well in them
- mag ich, komme aber nicht gut zurecht/I like STEM subjects but do...
- mag ich nicht so gerne und komme nicht gut zurecht/ I do not enjoy ST...

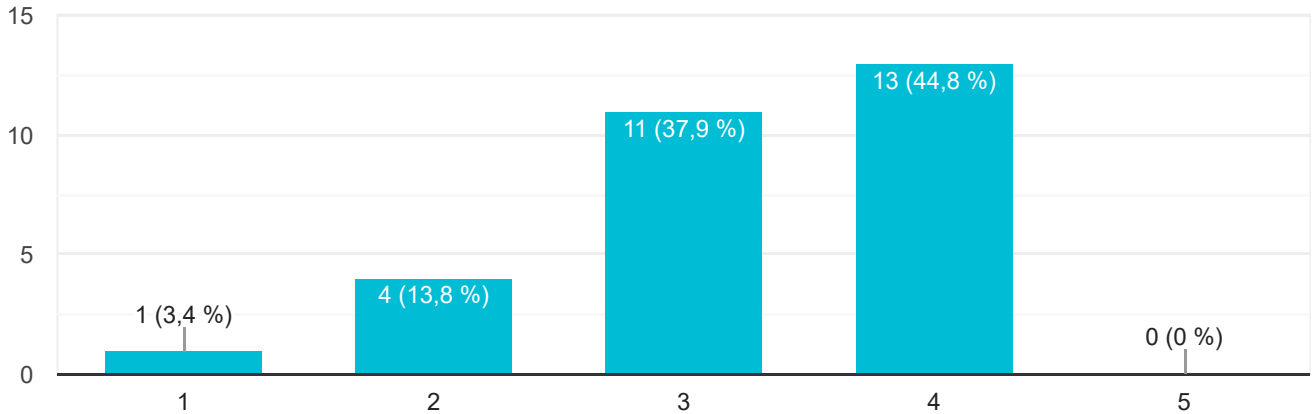
### 2. MINT-Fächer finde ich/ I find STEM subjects

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### 3. In MINT-Fächern erziele ich folgende Ergebnisse/ In MINT subjects my marks are:

29 Antworten



### 4. Das Schöne an MINT-Fächern ist/What I enjoy about STEM subjects is

27 Antworten

How interessted subjects are

Biologii in school is THE best subject because teaches about what surrounds us.

Biologie

Nothing

Studying interesting things

I like biologii

i love lessons about Human

Experiments, interesting,

I think STEM subcjects are really future- proof. It teaches us thinking in way.

This subjects are interesting to learnt about

getting know more about world, us - human, animals

I want to be a pharmacy, do this make me future

I like get to know about world and nature

I like about it that it gives me a big spectrum of possibilities and i'm interested in biology of human body

Getting more to know about the World

Interesting, logic

Talk about subject with classmates and teachers

Do the experiments

I don't know, I interested in, it's simple in my opinion.

Connecting the whole subject in ones.

Learning new things

How they help us to understand the world we live in.

I can know some new things.

Chemistry

That subject are interesting

That this what we learn is around us

## 5. Um Spaß / gute Ergebnisse in MINT-Fächern zu erzielen brauche ich/In order to enjoy or get good marks in STEM subjects I need to

27 Antworten

Study a lot at home, focus on the lesson, make a notes at home, watch some youtube's videos

I need a lot od time.

Viel lernen

Be in home 'couse I have to be realy focus.

Learn more with better books

I need good teatcher

i need to be focus and lots of time

I have to learn regulary and so many time. Do sa many exercises

Read many books, make notes, listen to teacher, watch videos, read aloud

A lot of time and good explain the topic by the teacher

focus, have time and peace around my place

Everything

Good understanding specified subject, free time, good teacher

I need a lot of time to get more into the subject and I have private chemistry and math lessons, because I don't have good teacher and I have problems with maths so i spend a lot of time to understand this

Learn a lot

Do a lot of examples, don't learn by heart

Get better marks

Quiet

Practises in our life, street, school...

Study

Study a lot

Learn so much approximately 6 hours

Biology

Systematic learning

Be interested in this and be focus

## 6. In der Schule habe ich spezielle Arbeitsmethoden für die MINT-Fächer gelernt/In school I have learnt specific ways of working in STEM subjects

28 Antworten



Ja/Yes

## 7. Zähle einige MINT-spezifische Arbeitsmethoden auf, die du in der Schule kennengelernt hast/List some of the STEM specific working methods which you have learnt in school

22 Antworten

Lesson at laboratory.  
class division into smaller groups  
educational outputs

Wir machen Experimente.

Special math theories wick talk about how to count quick, or Im singin' songs but with switched words from my workbook

Microscope  
Laboratory  
Experiments  
Presentations

Experience

I learned to make experiments and diagrams

Reading comprehension on biology, making essential expression

experiences, films

working with microscope, chemical experiments

Chemistry experiments

Experiments, trips

I learned how to work by myself and school doesn't help at all

I don' know

Boring

I don't know

I'm doing a lot of exercises.

-learning outside  
-online test  
-mond maps

Experiments

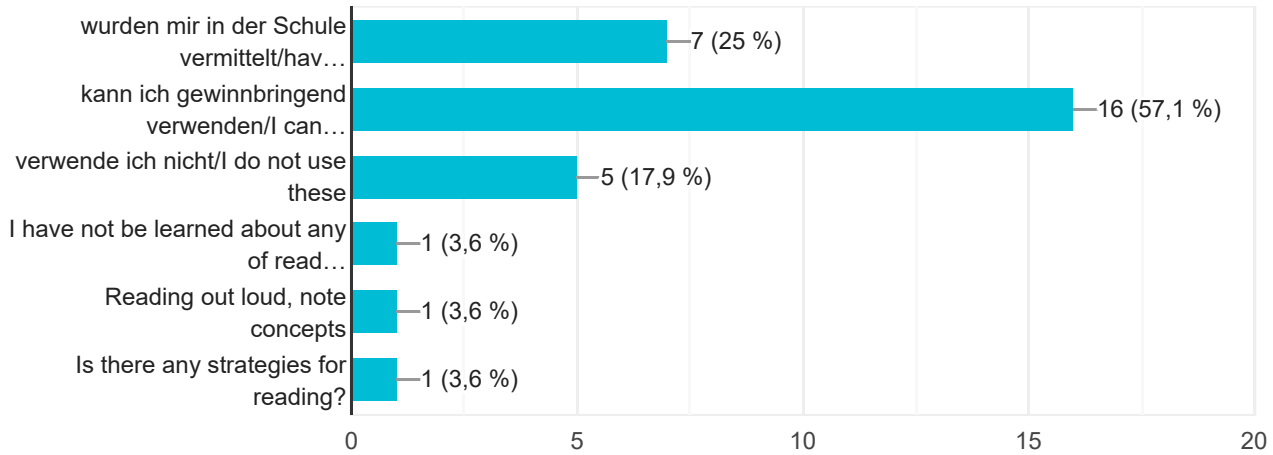
Taking notes, reading articles online

Experiments  
Presentations

From books  
In labolatory  
e-board

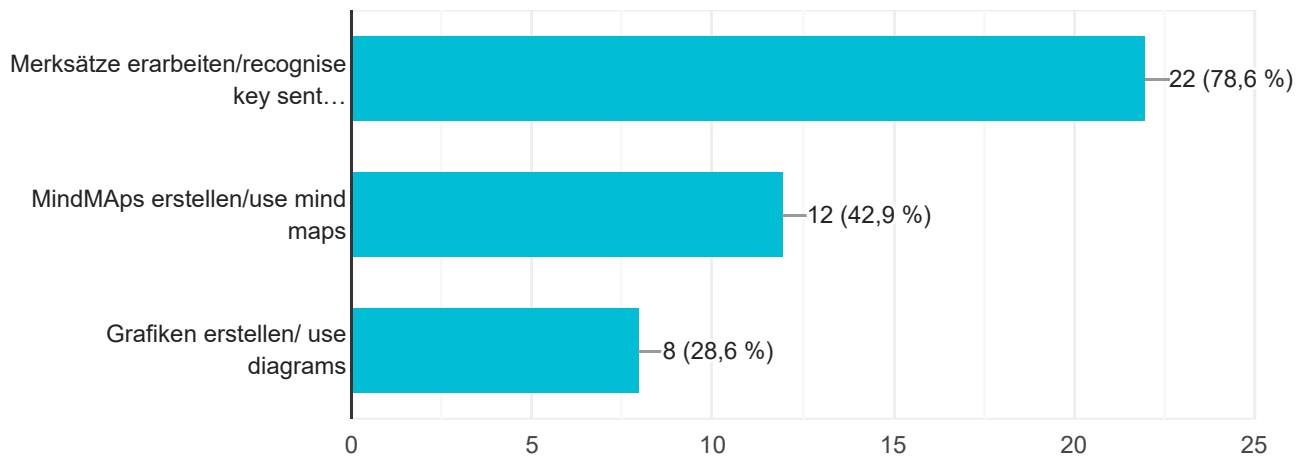
## 8. Lesestrategien für Sachtexte/Strategies for reading texts

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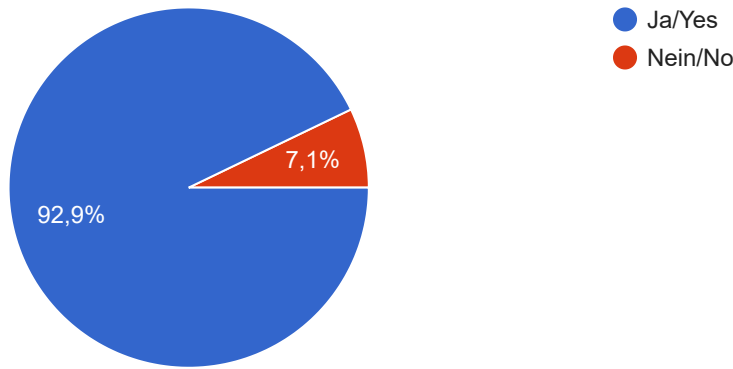
## 9. Aus Sachtexten kann ich/When using texts I can

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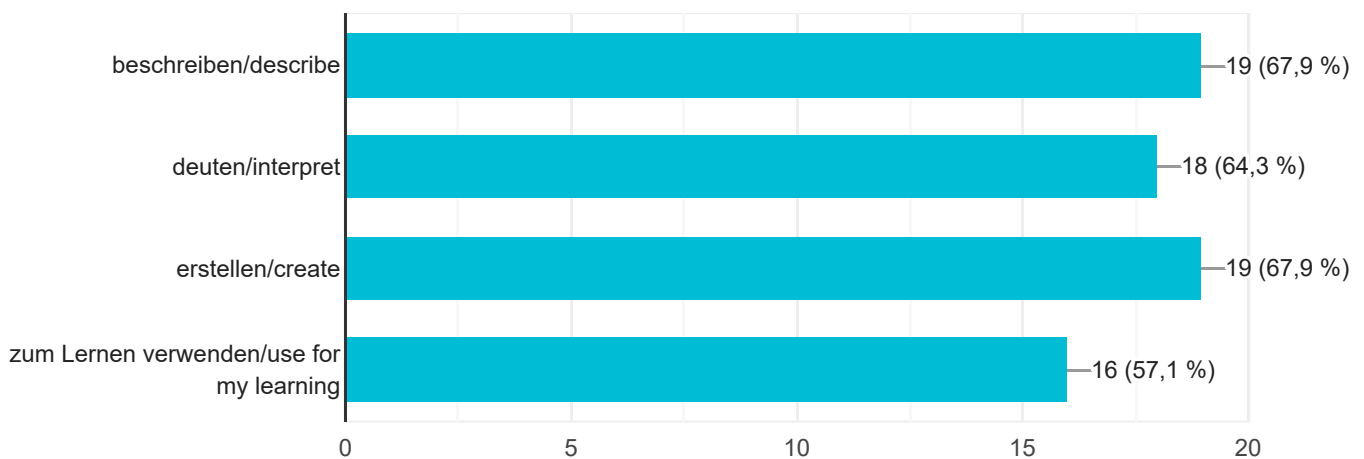
## 10. Informationen aus Grafiken zu entnehmen wurde mir in der Schule vermittelt/In school I have been shown how to get information from diagrams

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### 11. Grafiken kann ich in der Regel gut/Generally I am able to do the following with diagrams

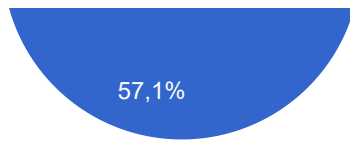
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### 12. In den Naturwissenschaften experimentieren wir/In Science we do practical experiments

28 Antworten





### 13. Nenne, falls zutreffend, Gründe, warum aus deiner Sicht zu wenig experimentiert wird/Give reasons, if applicable, why that should perhaps be more practical experiments

16 Antworten

it's easier to remember

Wir lernen einfacher mit Experimente

Experiments In my school are practical enough

To remember new things better

Own observations

to have more practical knowledge you can use in the future

Cause it easy way to learn

I can learn better when i know what subject is about, when i see it

Because when we see how it looks like we remember it better, faster and we remember it for longer time

Because it shows all these things in real and it's easier to understand or imagine them

We learn more easily

That is the most sucessfully way to learn something

-more practical experiment because this is very usefull and develop in our daily life.

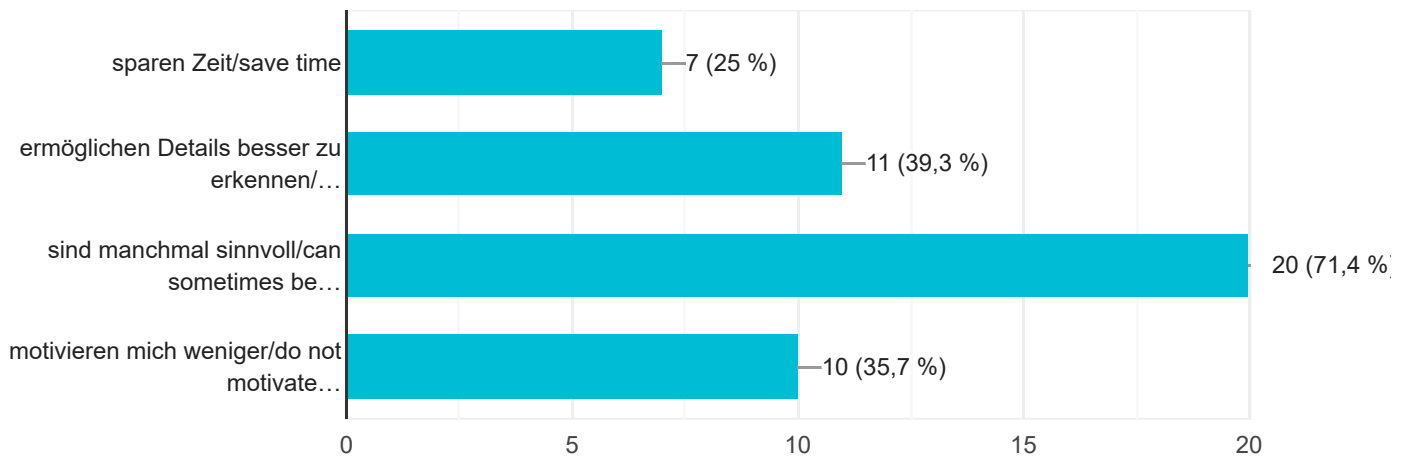
From my experience practical experiments help to visualize and understand this making the knowledge more accessible for all students

This is a good way to learn very fast, to remember results of chemistry experiences

### 14. Filme / Animationen / Simulationen von Experimenten/Films, animations and computer simulations of experiments

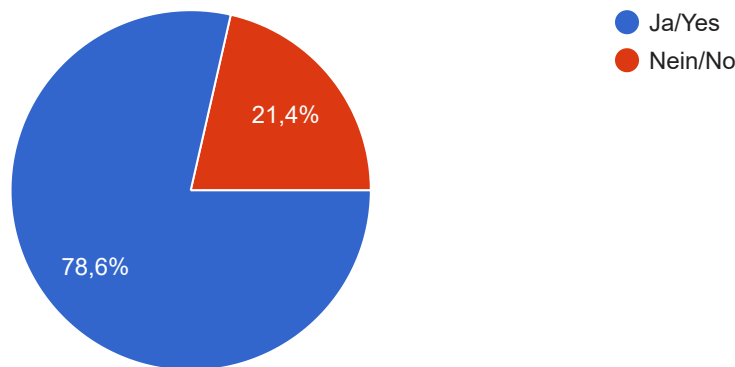
28 Antworten





## 15. Im Unterricht werden digitale Methoden eingesetzt/In lessons digital methods are used

28 Antworten



## 16. Zähle digitale Methoden auf, die im MINT-Unterricht verwendet werden/List the digital methods you use for learning

22 Antworten

watching youtube

Presentations

Lernen mit Computer

Interactive boards

I'm watching instructional videos on you tube

interactive whiteboard, films,

Watching videos,

Watching videos, tests

digital program in chemistry

Mind maps, experiments

Sometimes with computer or phone

I use my phone and computer

Using mobile phones or interactive boards

No

Computer, photos

Nothing

Gor exaples this quesstionare.

Online databases, presentations prepared by our teachers

Films, interactive whiteboard

I don't know

## 17. Zum Lernen verwende ich digitale Methoden/I use digital methods to learn

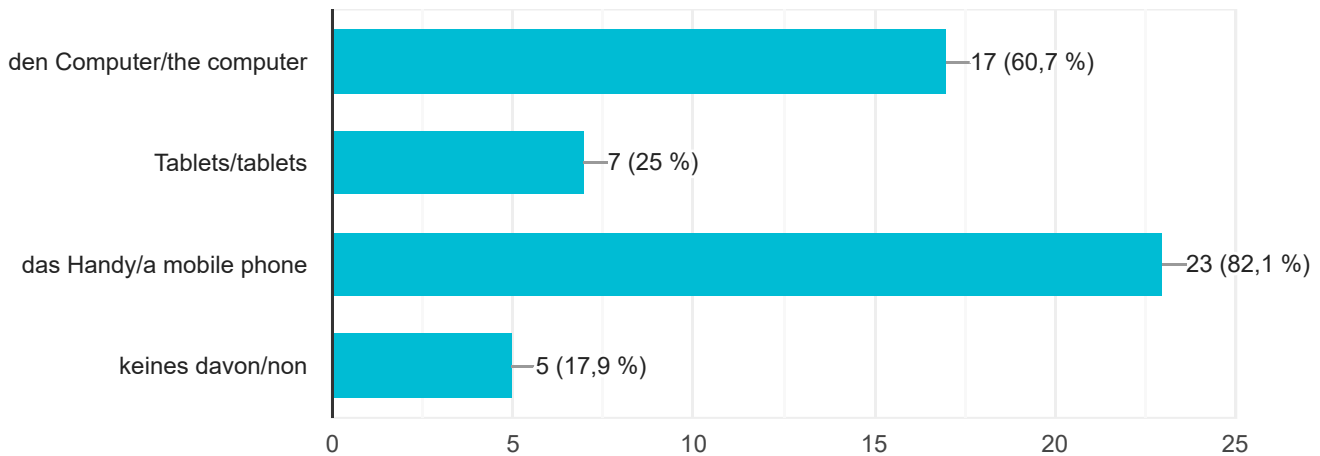
27 Antworten



● Ja/Yes  
● Nein/No

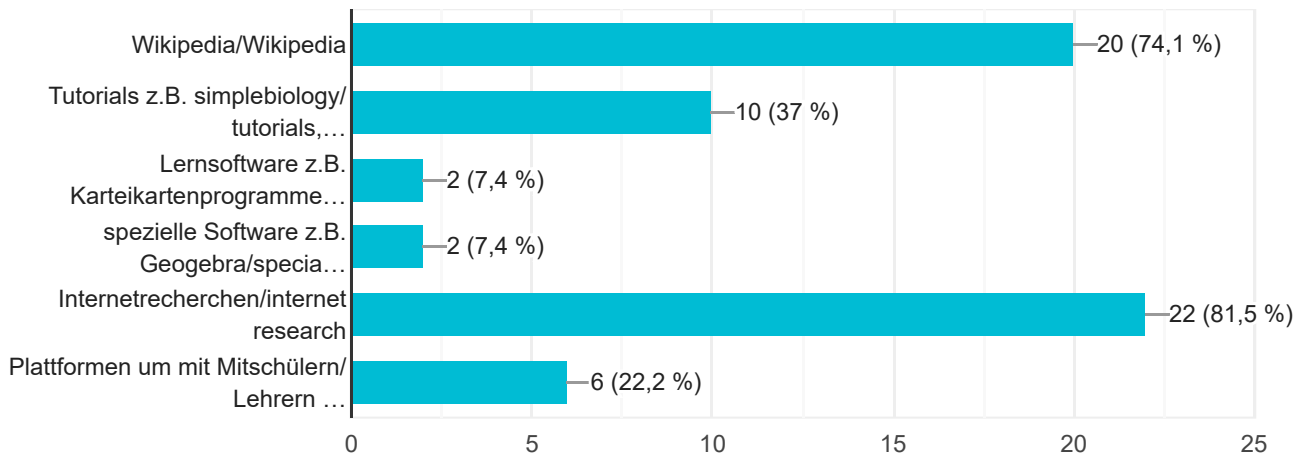
## 18. Zum Lernen verwende ich/To learn I use

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## 19. Zum Lernen verwende ich/I use the following in my learning

27 Antworten



## 20. Für den MINT-Unterricht wünsche ich mir/What I would like to see in STEM subject lessons is

21 Antworten

I would like to have more biology's and chemistry's hours at school, more experiment (more practic and interesting)

Mehr digitale Methode

A lot of practical things and things i can do by myslef not to be bored on that lessons.

Sleeping experiment

more expirience

Experiments, films, work in groups, work with microscope, biological work in practice

Biology and chemistry

Biologie

more science trips, practical knowledge and learning more learn methods

I don't know maybe more chemistry experiments

More experiments

More patient and forgiving teachers who encourage students to learn these future subjects

Teachers to be more engaged and to treat their job as a hobby

More fun

Definitely more experiments and more "talking" lessons to break the barriers

Teacher

I think that more practice would be better for us in everyday life. would like to leave more in my head than to invent new learning methods. I think that working in groups and conversations would be enough to educate than complicated new methods of knowledge transfer.

More reliance on internet databases. There is so much information on the internet, I think we should learn how to make use of it.

More experiments, and practical exercises, more work with microscope

See more things real not just in a book

Learn things in practice too

Learn more important things to know more

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