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# Tracking Student Progress: The Possibilities

# Agenda

1. Who we are
2. Quick temperature check
3. What is tracking
4. Why do you need track
5. What can you track
6. Benefits and Objections
7. How to track
8. Our experience
9. Improved Academic Performance Cycle
10. The importance of online learning platforms beyond tracking



# Who we are

Kognity is a learning platform built around the IGCSE and IBDP curricula that puts a wealth of teaching resources, student insights and practice center right at your fingertips - giving you more time to engage with your students.



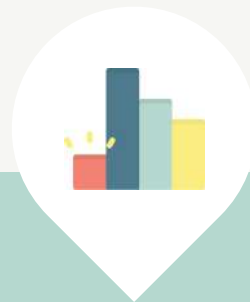
**Interactive  
Textbook**



**Practice  
Centre**



**Assignments**



**Statistics**

# A strong community

245,000  
+

Students helped

28,000+

Teachers supported

100+

Countries





# Quick temperature check

1. Poll

2. Menti code - 4323 6365



# What is tracking?



***“The act of putting students with similar abilities in a group and teaching them together”***

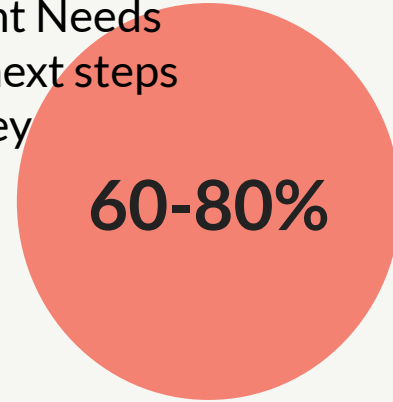
Cambridge Dictionary

# Why do you need to track?

Improved Academic  
Performance  
Individual Student Needs  
Preparation for next steps  
in learning journey



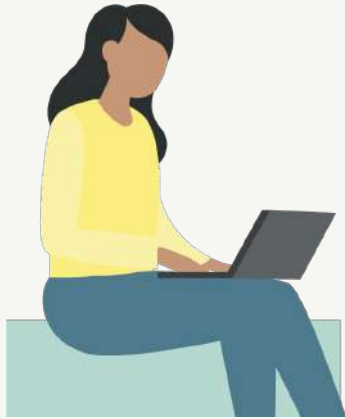
40-50% of what is taught in the classroom,  
students already know



Teachers have no awareness of what students are  
doing in their classroom 60-80% of the time



# Why do you need to track?



Improved Academic Performance  
Individual Student Needs  
Preparation for next steps in learning  
journey



# What can you track?



- Reading assignments
- Question assignments
- Independent reading
- Self-assessment
- Student progress



# Key benefits of tracking

- ✓ Differentiation
- ✓ Flipping the classroom
- ✓ Tailored lesson planning
- ✓ Time back in class
- ✓ Self assessment
- ✓ Accountability and ownership

*“When used correctly, **tracking** enables the teacher to cater their lessons toward the specific ability level of the **students** in their class. In low and normal achievement level **students**, this **can** help to ensure that the **students** learn the material at their own pace without falling behind”*

Barrington, K. (2020).

Consider - *“Some people object to tracking because it gives an unfair advantage to intelligent children”*

Cambridge Dictionary

# What is independent learning?



Independent learning can be thought of as  
***“the ability to take charge of one’s learning”***

Holec. (1981)

# What drives independent learning

*“Independent learners are empowered, unstressed, and in control”*



- Accessibility to content
- Interactive and engaging content
- Motivation
- Ownership of learning
- Awareness of progress/strengths and weaknesses in real-time
- Flipping the classroom
- Assignments/Classroom quizzes
- Asynchronous learning
- Remote learning

# Key benefits of independent learning

- ✓ Increased motivation and confidence
- ✓ Creativity and intellectual curiosity
- ✓ Greater student awareness of their limitations and their ability to manage them
- ✓ Enabling teachers to provide differentiated tasks for students
- ✓ Fostering social inclusion by countering alienation
- ✓ Improved academic performance

# How do online learning resources fit in?

Accessibility to  
structured and  
engaging  
content

Assignment  
setting

Self-Quizzing

Tracking of  
strengths and  
weaknesses

Feedback/  
Explanations

Statistics

*“It [independent learning] does not mean students using technology without a clear sense of focus and direction.”*

Donarski.S. (2017). Wellington Learning and Research Centre.  
<https://learning.wellingtoncollege.org.uk/category/independent-learning/>



# How to track?



# How to track?





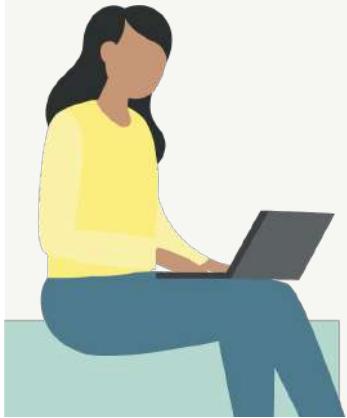
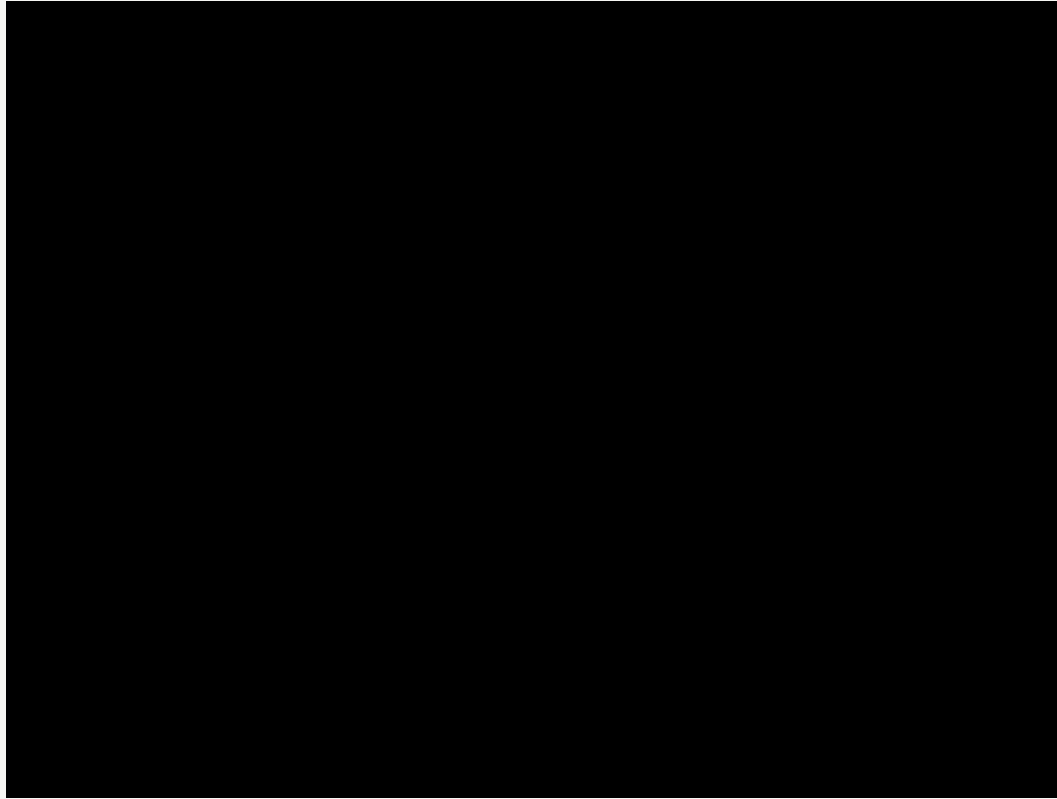
# How to track?

## 1 General physics

Subtopic	Sections	Strength ?
<input checked="" type="checkbox"/> 1.1 Length and time	4/4	<div><div style="width: 100%;"></div></div>
<input type="checkbox"/> 1.2 Motion	1/7	<div><div style="width: 14%;"></div></div>
<input type="checkbox"/> 1.3 Mass and weight	2/4	<div><div style="width: 50%;"></div></div>
<input checked="" type="checkbox"/> 1.4 Density	4/4	<div><div style="width: 10%;"></div></div>
<input type="checkbox"/> 1.5 Forces	2/7	<div><div style="width: 28%;"></div></div>
<input type="checkbox"/> 1.6 Momentum	3/5	<div><div style="width: 60%;"></div></div>
<input type="checkbox"/> 1.7 Energy, work and power	3/7	<div><div style="width: 42%;"></div></div>
<input type="checkbox"/> 1.8 Pressure	2/5	<div><div style="width: 40%;"></div></div>



# What do our students show us?





# What do our students show us?

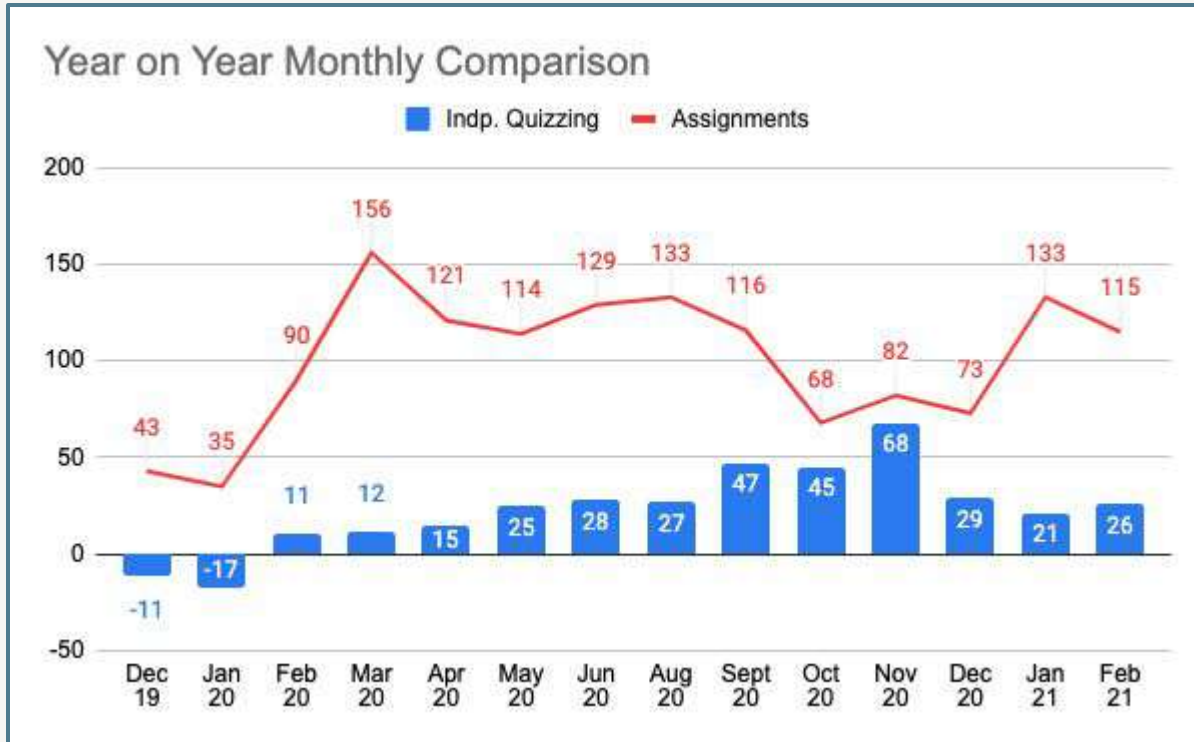
## Kognity Student Self-Quizzing

%



# What has changed?

## Assignments Sent



# What are teachers saying?

"It allows me to ensure that students are doing the required reading at home and I can also monitor their understanding of topics throughout the course."

Ryan Macdonald, Biology Teacher - British School, Jakarta

"They have all the statistical analysis, their progress, the timing, which is really fantastic. Kids really care about their progress so that part is really useful. It's the perfect tool for reviewing progress"

Vinita Sharma, Biology Teacher - Gunma Kokusai Academy, Japan

"As a teacher I find that Kognity helps me to flip the classroom by allowing me to send out assignments to students, and then showing me where my students are struggling in black and white. As these assignments are automatically corrected, it has also been a time-saver".

Andrew Couch, Head of Physics - West Island School, Hong Kong

"Kognity is value for learning. It will enable you as a Head to track learning activities, monitor teaching and student ownership, track formative assessment progress and have inspirational conversations with your staff and students. It helps raise success rates and improves student attainment"

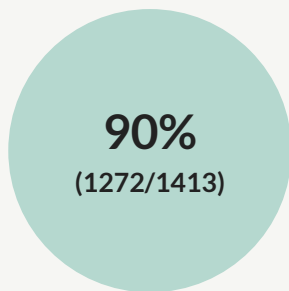
Dr. Tassos Anastasiades, Head of School - Edubridge School, India

"I use Kognity data to help guide my revision sessions as I can see where students have put in less work or have lower average marks. I use the data from Kognity's assignments to inform what I'm going to teach as well. Kognity is undoubtedly time saving for teaching, 15 mins input producing about 5 hours of homework for the whole class that marks itself and collates all the data. Prerequisite reading can be done with teacher visibility, helping progress in class. We're trying to help students become more autonomous and better independent learners, and Kognity definitely helps with that."

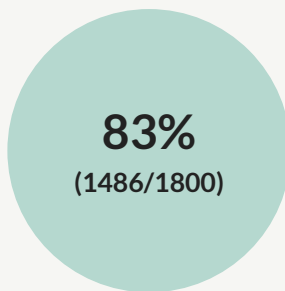
Dr. Matt Welling, Head of Science - Varee Chiangmai International School

# What are students saying?

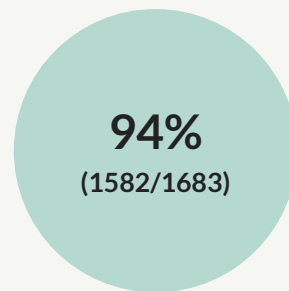
Do you think Kognity gives you more ownership of your learning?



Does Kognity motivate you to work independently?

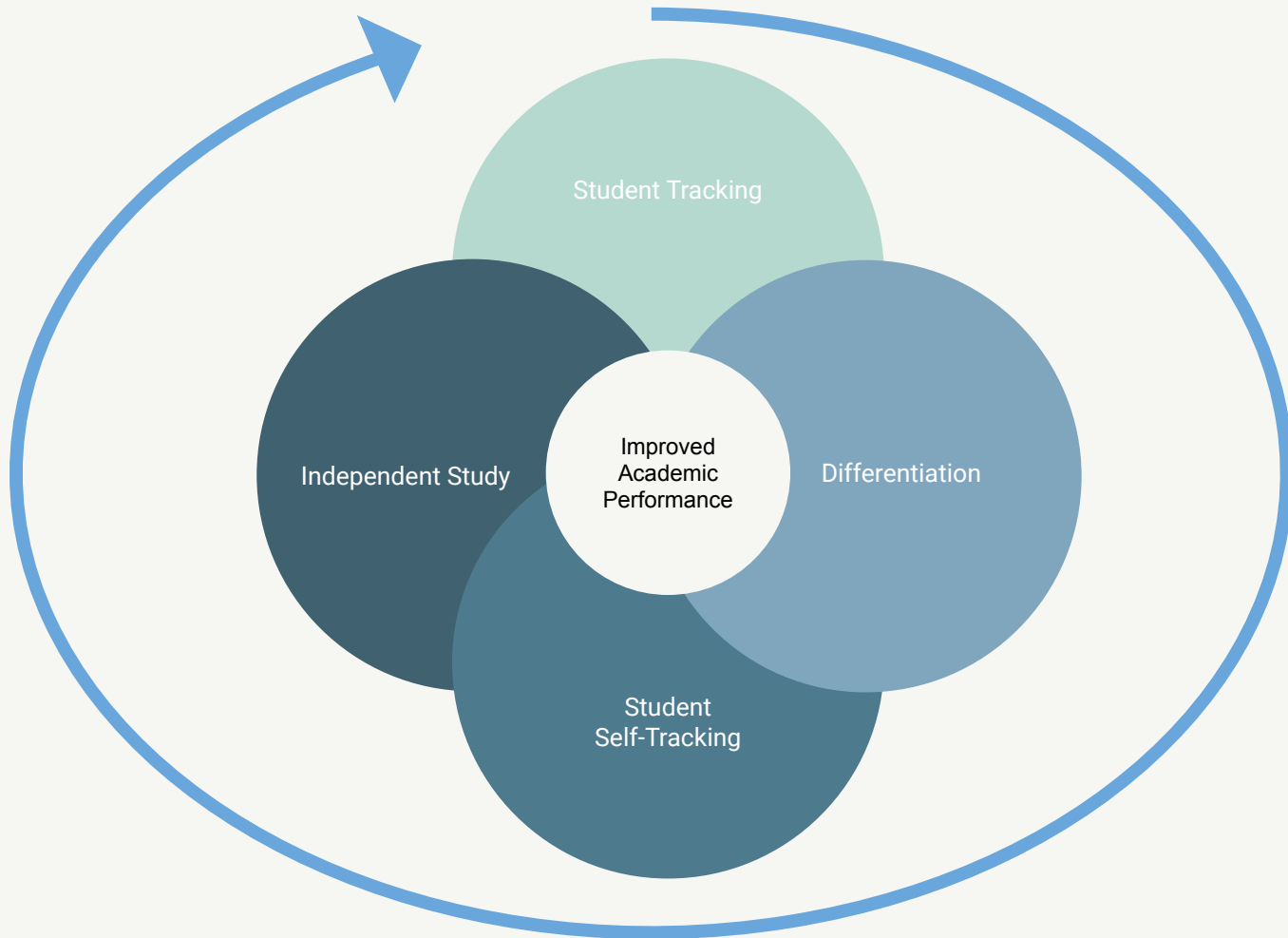


Does Kognity allow you to track your strengths & weaknesses?





**What Next?**

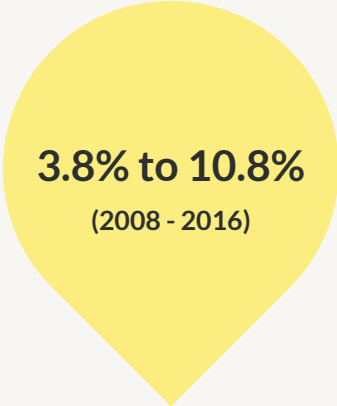




# The World is Changing



# The World is Changing



**3.8% to 10.8%**  
(2008 - 2016)

Fully Online Degree  
Programs



**27% Increase**  
(2009 - 2019)

People Working From  
Home



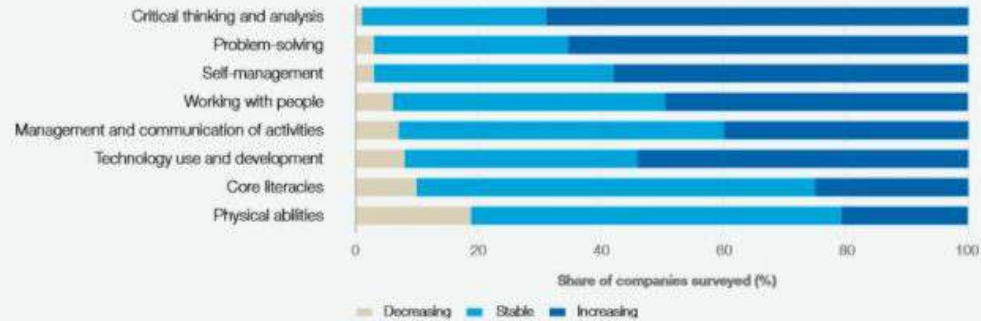
**18% to 37%**  
(2020 - Post Pandemic)

People Working From  
Home

FIGURE 27

Perceived skills and skills groups with growing demand by 2025, by share of companies surveyed

A. Relative importance of different skill groups



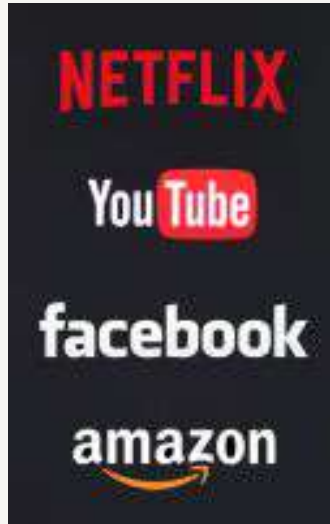
B. Top 15 skills for 2025

1	Analytical thinking and innovation	9	Resilience, stress tolerance and flexibility
2	Active learning and learning strategies	10	Reasoning, problem-solving and ideation
3	Complex problem-solving	11	Emotional intelligence
4	Critical thinking and analysis	12	Troubleshooting and user experience
5	Creativity, originality and initiative	13	Service orientation
6	Leadership and social influence	14	Systems analysis and evaluation
7	Technology use, monitoring and control	15	Persuasion and negotiation
8	Technology design and programming		



# What could the future look like?

*"Technology is at the heart of the learning space of the future."* Puckett, K (2017)





# Thanks

## 6-Week Free Trial Available

You can try Kognity with all of your teachers and students for free, for 6-weeks!  
This includes teacher training and usage reports so you know how to use our platform and can make an informed decision before subscribing.

Please reach out if you have any questions.

[chris.barras@kognity.com](mailto:chris.barras@kognity.com)

