

Centre for Evaluation & Monitoring

Introducing Cambridge CEM assessments

Empowering teachers to make a difference









"...because CEM assessments are not content driven, but skills driven, they make an excellent tool for international schools as it doesn't matter what curricula students have previously studied." Andrew Lennie, Head of Secondary, Cairo English School, Egypt

"CEM baseline and diagnostic assessments add huge value to Cambridge International Schools, and the quality of CEM's assessment is widely recognised in the UK and globally."

Rukaiya Salman, Head of School, Cedars School, Doha, Qatar



Knowledge is power. It's possibility. It unlocks doors, minds and futures. And here at CEM we give teachers more knowledge and insight than ever before. Imagine understanding exactly who is in your classroom from the first lesson – what they know and what skills they have yet to learn. Being able to forget paperwork

and focus on opening minds. With CEM assessments, you get school-specific insight in an instant, giving you the power to back your intuition, understand your learners and support greater academic achievement. We look forward to working with you.

Kate Bailey

Managing Director, CEM

We work in over **100 countries**



school partners

around the world

Data and insights sourced from more than **600,000** assessments every year

Insight in just one lesson



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What is a CEM assessment?



CEM assessments are formative assessments that provide a baseline measure of a student's ability and diagnostic information during their learning.

These assessments help you to identify how students are doing before and during their time with you, so you can effectively plan next steps.

They also allow school leaders to plan effective school improvement strategies and evidence student progress to parents and governors.

Baseline establishes the level the student is starting from

Explorative gives you a deeper understanding of your student's abilities

How do CEM assessments work?

All CEM assessments are computer-based, flexible and short – there's no marking, no paperwork and no fuss. Organise the assessments to suit your school facilities and lesson plans.



Flexible

test your students when and where you want to

Quick each assessment takes only one lesson



Time-saving digital

assessments

and automatic

marking save you

time



Student-friendly our assessments are fun. enjoyable and engaging for all ages

By really understanding

a child's 'baseline' across

key areas of development,

teachers can set up every

learning life.

student for a more successful



Adaptive

all our assessments challenge students at a level appropriate to them, to discover abilities accurately and quickly

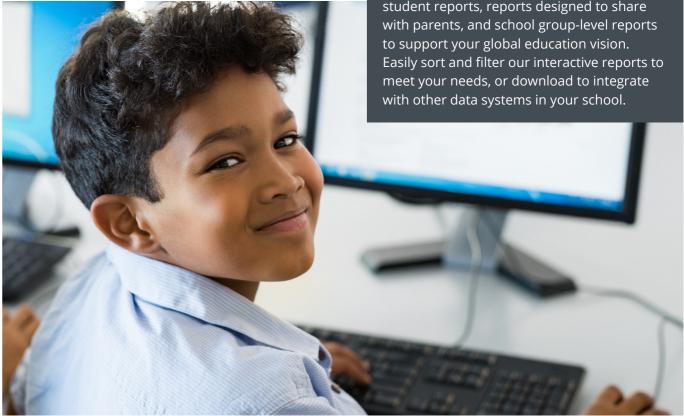
What is an adaptive assessment?

An adaptive assessment responds to the student, becoming more or less challenging as they interact. This gives students a much more motivating experience. And for schools, our adaptive assessments mean the assessment is shorter, and provides a more accurate measure of a student's skills and abilities.

Supporting you

We're here for you when you need help. Just pick up the phone or send an email to connect with our friendly customer support team. There's also an information-packed help centre, and local Cambridge University Press & Assessment experts are on hand to assist.

And when you are ready to take the next step and explore your reports in depth, our professional development will help you build your confidence and take charge of data in your school.



Supporting all your students

Help your second language learners make rapid progress. We have benchmarked our assessments against the Common European Framework of Reference for languages (CEFR) so you can see where students with English as an additional language (EAL) might need extra support. However, our adaptive assessments are designed to help students navigate at a level suited to them. And our practical support guides to using CEM data with EAL students give you insight to shape students' potential.

Each CEM assessment gives you a number of reports that enable you to:

- save time by identifying student strengths and weaknesses quickly – tests take between 20 and 50 minutes
- predict student grades our MidYIS, Yellis and Alis assessments help you understand how your students are likely to perform at Cambridge IGCSE[™], O Level and International AS & A Level
- improve whole-school practice robust evidence to inform strategies to support academic achievement, and demonstrate the effectiveness of teaching, learning and interventions to governors and parents
- benchmark your school against others in your region and internationally.

Our wide range of reports includes individual student reports, reports designed to share

Supporting the Cambridge Pathway

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Save time by targeting resources where your students need them most. Help them to make progress and achieve their potential at every stage of the Cambridge Pathway.

How do CEM assessments fit into the Cambridge Pathway?

CEM assessments are available at every stage of the Cambridge Pathway. Schools often use them at the beginning of the year or stage to help teachers understand their students' starting points and how to support them.

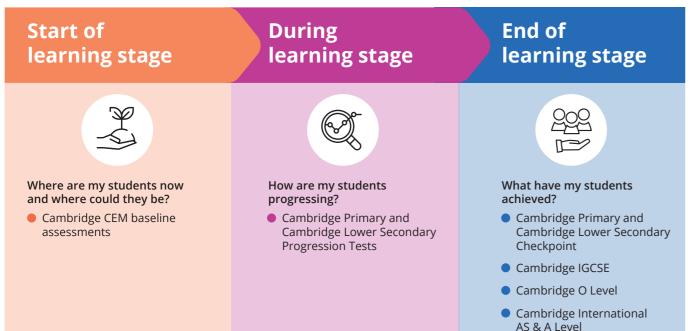
Cambridge CEM assessments measure cognitive abilities. We all use cognitive abilities and skills to think, remember, pay attention, problem solve, make decisions and learn. These natural skills and abilities are used every day at school and beyond the classroom. Students' cognitive abilities are not always apparent through regular classroom interactions, particularly in EAL students. Understanding a student's cognitive skills and abilities, alongside their subject knowledge, provides a much more holistic view of a student and the support they will need to achieve their full potential.

CEM assessments measure skills that are important for supporting success in all subjects – vocabulary, maths and non-verbal ability.

Cambridge Pathway assessments measure the development of deep subject knowledge, conceptual understanding and higher order thinking skills – usually at the end of a year or stage.

By using CEM assessments alongside the Cambridge Pathway, teachers can accurately predict grades, ensure students are on track and measure how much progress they have made.

A complete assessment cycle with Cambridge



Benefits of using CEM assessments

Identify student strengths and weaknesses to target your teaching

Students are flourishing at your school, but how can you easily evidence student progress to parents and governors?

Or perhaps students are joining you with gaps in their knowledge or understanding. How can you quickly identify these and put support in place?

Our assessments give you confidence in your teaching and help you to make the best decisions to support your students' learning.

They give you the power to:

- understand each student's potential
- · identify areas of strength or weakness
- benchmark performance against other students in the same class, school or country
- demonstrate the effectiveness of your school's teaching to parents and governors.

This means you can target your time and resources where students need them most, helping them to make progress and achieve their potential at every stage of the Cambridge Pathway.

Improve whole-school practice

CEM assessments are a fantastic way to increase the effectiveness of teaching at a whole-school level. They give teachers at every stage of the Cambridge Pathway the data they need to manage their time and resources effectively to support their students and raise attainment.

They also provide robust evidence for senior leaders to inform schoolwide strategies that support academic achievement, and demonstrate the effectiveness of teaching, learning and interventions to governors and parents.







Predict student grades

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Our MidYIS, Yellis and Alis assessments can help you understand how your students are likely to perform at Cambridge IGCSE, Cambridge O Level and Cambridge International AS & A Level. This knowledge means you can monitor their progress over the course, and make sure they stay on track to achieve their goals. It can also help you to set realistic and motivational targets, and provides the evidence you need to have successful conversations with students and advise parents with confidence.



ASPECTS (for 3 and 4 year olds)



ASPECTS is a unique insight into early years development.

Using our short, fun, story-style interactive assessment, you can understand and benchmark every child's cognitive ability ('baseline') ready to create the kind of tailored learning that changes lives for the better.

Gain a unique insight into every child who enters your care that goes far deeper than observation and instinct. Understand where they are with their learning, so you can better tailor their activities to bring out their strengths, build up their confidence and boost their weaker areas. And gain this perspective in the crucial years before a child turns five years old - a period that sets the blueprint for happiness, resilience and a lifelong love of learning.

ASPECTS measures

- Literacy development
- Early numeracy
- Communication
- Motor development

How does it work?

Teacher and child take 20 minutes out to work through a fun, storybookstyle session. This includes questions and interactive tasks that adapt to the child's individual abilities – getting harder or easier depending on their level - so it's always fun.

There's no paperwork, no hassle and no fuss – ASPECTS feels more like a game or story than a test.

It's also flexible and teacher led – so you can pause the session and come back later if you need to.





Baseline establishes the level the student is starting from



Adaptive evolves with the student's abilities

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Explorative gives you a deeper understanding of your student's abilities

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Digital no paperwork, just use a computer



Meeting the needs of early vears educators

ASPECTS is based on years of rigorous research and managed by experts. Developed continually by our research team since its release in 2000, it meets a teacher's need to capture learning in a more reliable way. The assessment draws on wellestablished research into what skills children really need to ensure success later in life.

It's a product that's used by schools across the UK and internationally, plus organisations like the Education Endowment Foundation in England, which evaluates the effectiveness of early years interventions to support those vital years.



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- identifies hidden strengths and areas you'll need to support
- recognises the importance of those first years at school, preparing children for long-term, future success.

You can also use it to help monitor a child's progress over time.

ASPECTS focuses on the areas that make the greatest difference in early years development, so you can be confident that you're building strong foundations for a lifetime of learning.

BASE (for 4 and 5 year olds)

BASE helps teachers understand what children already know and can do when they start school.

By really understanding a child's 'baseline' – across literacy, numeracy, communication and language, as well as their personal, social and emotional development - you can better plan their learning journey, then prove their progress as time passes.

BASE is a fun, interactive assessment tool for 4 to 5 year olds designed to feel more like a game than a test. In just 20 minutes, you'll get a clearer picture of what a child knows and can do – without hassle, paperwork or fuss.

It's stress-free for even the youngest students, providing a gentle child- and

teacher-friendly way to celebrate progress, spot and act on issues early, and make the most of every early years development opportunity.

BASE complements the Cambridge Primary programme by helping you better understand core skills and abilities. It can be used alongside subject knowledge assessment to help you understand the bigger picture and bring learning to life at every child's unique pace and stage.



What kind of assessment is it?



Baseline

a 'getting to know you' assessment that establishes and benchmarks the child's skill level



Adaptive evolves with the child's abilities as you work through

independent perfect for the curriculum you an interactive are following session together

Curriculum

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Digital no paperwork, just use a computer or tablet

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Buildable choose the package that suits your school and budget



- Literacy
- Numeracy
- · Communication and language
- Personal, social and emotional development



How does it work?

The teacher and learner take 20 minutes to work through a fun, story-style session which includes questions and interactive tasks that adapt to the individual child – getting harder or easier depending on their abilities.

It's an enriching one-to-one activity that students really enjoy, and gives you some quality time to observe and bond as you assess. BASE is flexible and teacher led so you can pause the session and come back later to complete it.

Use it initially when children start school - it helps you to learn as much as you can about what each child in your class already knows and can do. Follow up with a second assessment at the end of the year to show progress that's been made.



specifically important for children at this stage, based on 30 years of research in childhood development. It diagnoses just how well they're doing, where extra help would make all the difference and how they're progressing.

BASE is an adaptive assessment tool, which means it evolves to meet the needs of every individual child for more informative data and a feel-good experience. If they're finding it difficult, the interactions get easier. If they find it easy, the assessment becomes more difficult to stretch them.

"BASE was really easy to set up, really easy to use and it was really easy to generate the reports."

> Sally Hunt, Reception Teacher, Snarestone Primary School, UK

Cambridge Primary Insight

Empowering teachers to build a strong foundation and unlock potential for children aged 5–11.

Cambridge Primary Insight is the next generation of Cambridge CEM's primary assessment, InCAS. It is developed to empower teachers to measure and unlock their students' potential. We have preserved the integrity and reliability of twenty years of research and insight, while implementing a range of new features and benefits which make Cambridge Primary Insight even more intuitive, meaningful and powerful.

Cambridge Primary Insight focuses on five key developmental areas for children aged 5 to11, so you can be confident that you are building strong foundations for a lifetime of learning.

See children's strengths and weaknesses, reveal their hidden talents, and spot where they need help. Use Cambridge Primary Insight to complement your experience and intuition, tailor and transform children's learning, and set them up for the brightest possible future.

Cambridge Primary Insight is very useful for international schools, especially if you're looking for generalised feedback on the knowledge and understanding of children when they join you part way through the school year. Better still, Cambridge Primary Insight gives a broad overview, which is useful whatever curriculum you follow in key areas of literacy and mathematics. For English as an additional language (EAL) students, our assessments can highlight areas of strength and improvements within English, so as a teacher you can help students develop their knowledge of the language and better access the curriculum.

What kind of assessment is it?



Baseline use it to establish the student's foundation or end-of-year level



Adaptive evolves with the student's abilities



Explorative gives you a deeper understanding of your student's abilities



Digital no paperwork, just use a computer



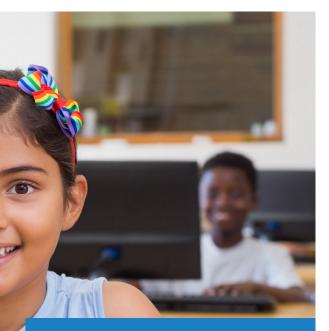
- Reading
- Spelling
- Mathematics
- Mental arithmetic
- Developed ability



How does it work?

Each module takes 20 minutes – children work independently through questions and fun, interactive tasks. Access the tool in one session or over a number of days/weeks as you need it.

Cambridge Primary Insight is designed to be a feelgood, independent activity that children really enjoy, and gives you some quality time to observe as the software does the hard work. It's adaptive, getting harder or easier depending on the child's ability. There's no marking, no paperwork and no fuss – download the results instantly.



Why choose Cambridge Primary Insight?

Cambridge Primary Insight works as a valuable add-on to your own observation and insight. It empowers you with real data, without any additional hassle or paperwork.

Cambridge Primary Insight is based on years of rigorous research and managed by experts. Developed continuously by our research team since its release in 2003. Our research team responded to the demand from early educators to assess learning in a more reliable way. The product draws on well-established research into what skills children really need to ensure success later in life. It's used by many UK and international schools, as well as organisations like the Education Endowment Foundation in England, which evaluates the effectiveness of early years interventions.

"It has been a fantastic experience to see the children improve and it definitely would not have happened without CEM's primary baseline assessment. It provides a great starting point which other simple standardised assessments would not. The data really helps us to see – we might think we know something but this assessment really gives us the proof." Siobhain Allum, Head of Prep, St. Paul's School, Brazil

MidYIS (for 11 to 14 year olds)

MidYIS empowers teachers to unlock potential for students starting their journey through secondary education.

Benchmark your students' baseline abilities with an adaptive, tailored and personalised assessment.

Imagine having unique insight into what your students are good at (or what they need to work on) right from the start of secondary. A data-powered foundation that you can build on immediately.

One that empowers you to fine-tune your teaching, build confidence and strengthen weaknesses – and see likely future performance at Cambridge IGCSE. As the perfect complement to your intuition, instincts and experience, MidYIS is a brilliant boost at the beginning of the academic year that gives you a solid baseline to work from. It focuses on key developmental areas for children aged 11 to 14.

MidYIS measures:

- Vocabulary
- Maths
- Skills (proofreading, perceptual speed and accuracy)
- Non-verbal ability (the ability to think in a logical way to analyse information and solve problems using reasoning, without relying on or being limited by language abilities)



What kind of assessment is it?



Baseline establishes the level the student is starting from

Adaptive evolves with the student's abilities



Explorative

abilities



Predictive gives you a deeper see how students are likely to understanding of your student's perform at Cambridge IGCSE



Digital no paperwork, just use a computer



How does it work?

MidYIS is an interactive, student-led assessment that students complete independently. It takes around 50 minutes of screen time to work through the series of adaptive questions and tasks that become easier or more challenging, depending on students' abilities. There's no marking, no paperwork and no fuss - the bespoke software does all the hard work for you, and you can download the results in 48 hours. MidYIS is specifically designed to fit into a lesson, so you can easily integrate the assessment into your existing lesson plan.

For further information www.cem.org/midyis

Using MidYIS in schools outside the UK

MidYIS is really useful for schools outside the UK, especially if you're looking for generalised feedback on the knowledge and understanding of students when they join you. Better still, MidYIS gives a broad overview of a student's key skills, which is useful no matter which curriculum they previously followed.

For EAL students, having a snapshot profile of the student's abilities in vocabulary, maths, non-verbal reasoning, perceptual speed and accuracy, and proofreading, helps to identify areas of strength and weakness. The vocabulary and proofreading scores are particularly useful to pinpoint areas that need extra development.

experts. Our research team responded to the demand from educators to assess learning in a more reliable way. The product draws on wellestablished research into what skills students really need to ensure success later in life.

MidYIS is designed to be used at the start of the starting points that identify their potential.

It's in this way that it differs from progression tests, such as Cambridge Primary or Lower Secondary Progression Tests, which are used throughout the year for tracking and reviewing progress.

"MidYIS is a very powerful management tool for a school. It gives schools the ability to set targets for young people, to set reasonable aspirations, and helps us work with parents over target setting, so they can understand what's really possible for their child. I introduced MidYIS tracking and target setting two years ago at JESS, and our performance at GCSE has gone through the roof. [...] This is a tried and tested way of raising school attainment by raising aspirations. The MidYIS assessments we use give us data which we can marshal and use raising their pupils' expectations, the aspirations of the children themselves, or as a way of working with parents in order to give them a realistic target for their child."

Yellis (for 14 to 16 year olds)



Yellis focuses on the areas and skills that make a real difference to students at this stage, setting them up to reach their potential. See a clear picture across:

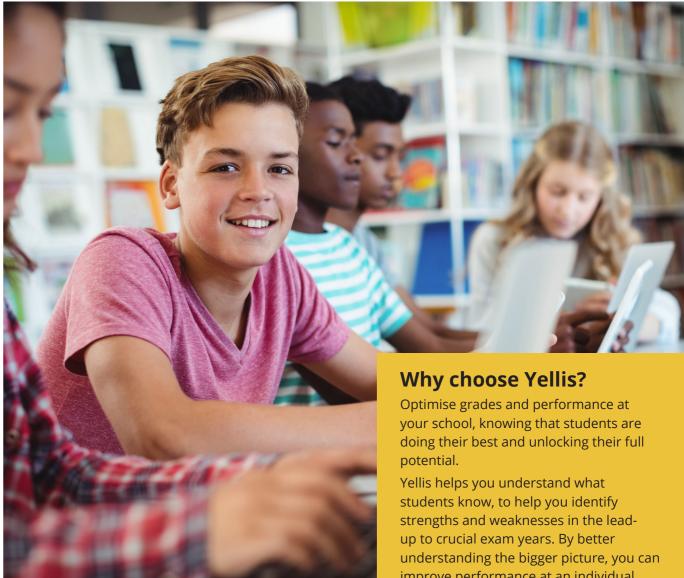
- Vocabulary
- Mathematics
- Non-verbal ability (the ability to think in a logical way, to analyse information and solve problems using reasoning, without relying on or being limited by language abilities)

Yellis empowers teachers to unlock students' potential as they move through their upper secondary education.

Yellis is a student-led, computer-based interactive assessment that takes about 45 minutes. It gives you invaluable insight into students' strengths and hidden potential, as well as areas to work on. It also predicts potential exam performance at Cambridge IGCSE or Cambridge O Level.

Use this insight to focus on students' learning needs, tailor teaching and map their journey to exam success. Yellis gives you the tools you need to help your students – and your school – flourish at Cambridge IGCSE and Cambridge O Level.





How does it work?

A series of questions and interactive tasks, Yellis takes around 45 minutes of screen time, with students following audio instructions to guide them through. The assessment is adaptive, becoming easier or more challenging, depending on each student's level of ability.

Yellis is flexible and free from paperwork and marking. And because multiple students can complete the assessment at the same time, it's easy to integrate a 'Yellis session' into your lesson plan.

Ideally, you should assess students at the beginning of the academic year, so you gain the best possible insight into how they learn - and how to get the best out of them.



improve performance at an individual, classroom and whole-school level.

As an adaptive assessment, Yellis is far shorter than competitor products. Not only is it more engaging, but it also shows each student's ability more accurately.

Yellis is based on years of rigorous research and managed by experts at Cambridge University Press & Assessment.

"In discussion with teachers, parents or students, the Chances Graphs are golden: they help to motivate and encourage, as well as warn about potential results depending on effort."

> Andrew Lennie, Head of Secondary, Cairo English School, Egypt

Alis (for 16 to 19 year olds)



Alis focuses on the areas and skills that make a real difference to students at this stage, setting them up to reach their potential and flourish at Cambridge International AS & A Level. See a clear picture across:

- Vocabulary
- Mathematics
- Non-verbal ability (the ability to think in a logical way, to analyse information, and solve problems using reasoning, without relying on or being limited by language abilities)

Alis empowers teachers to unlock and harness potential for Cambridge International AS & A Level students.

The easy-to-use online tool works in two ways. Choose a robust analysis of your students' Cambridge IGCSE or Cambridge O Level results to show how they're likely to perform at Cambridge International AS & A Level. Or enhance it with an adaptive baseline assessment that gives you invaluable insight into students' strengths, areas to work on and hidden potential.

Use this insight to identify students' learning needs, tailor teaching and map their journey to exam success. Alis helps you get them off to the best possible start for this important stage of learning.

What kind of assessment is it?





Adaptive evolves with the student's abilities



Explorative helps you understand what's going on



Informative standardised see how students are likely to perform scoring you at Cambridge can compare International to national AS & A Level averages



Digital no paperwork, just use a computer



How does it work?

Alis is an interactive, student-led assessment that they complete independently. A series of questions and interactive tasks, it takes around 50 minutes of screen time.

The assessment is adaptive, becoming easier or more challenging, depending on each student's level of ability.

Alis is flexible and free from paperwork and marking. And because multiple students can complete the assessment at the same time, it's easy to integrate an 'Alis session' into your lesson plan.



Why choose Alis?

Alis is designed to complement your own intuition and observation, and enhance the journey to Cambridge International AS & A Level for you and your students.

Alis brings together exam predictions based on Cambridge IGCSE and Cambridge O Level results and baseline assessments in one easy-to-use online tool, informed by years of research.

"Having the CEM data helps us to have" learning conversations with the students, and it is designed to help both teachers and students with their learning."

Parras Majithia, Head of Pedagogy and School Accreditation, Beijing International Bilingual Academy, China

Cambridge Wellbeing Check

(for 7 to 18 year olds)



From a whole-school view right down to individual students, the Cambridge Wellbeing Check gives you a clear picture of wellbeing.

Help your students feel good, do well and flourish. Grounded in world-leading research and delivered on an easy-to-use digital platform, it supports you in helping students aged 7 to 18 feel their best.

The Cambridge Wellbeing Check enables you to monitor and evaluate levels of wellbeing throughout the year - and be better equipped to have a positive impact along the way.

The Cambridge Wellbeing Check focuses on four areas of wellbeing, covering 'feelings' (life satisfaction and negative emotion) and 'functioning' (interpersonal wellbeing and competence wellbeing). See a clear picture across:

- · Life satisfaction: how much students experience contentment and overall life satisfaction
- Negative emotions: how much students experience anxiety, stress and/or sadness
- Interpersonal wellbeing: how much students experience feeling connected to others in school, that those people care about them, and that they are valued
- Competence wellbeing: how much students experience competence, self-confidence, fulfilment and purpose



based on published research by the University of Cambridge



How does it work?

The Cambridge Wellbeing Check is a simple, studentled assessment that takes about 20 minutes of screen time (it works on desktop, tablet and mobile devices). It's been designed specifically to work as part of existing wellbeing or pastoral care teaching, complementing and enhancing what you're already doing. It can be readily and easily incorporated into other subjects, too.

The assessment is flexible and free from paperwork and marking. And because multiple students can complete the assessment at the same time, it's easy to integrate a 'Wellbeing Check' into your lesson plan.



The Cambridge Wellbeing Check was developed from a survey by researchers Dr Ros McLellan, Maurice Galton, Susan Steward and Charlotte Page in the University of Cambridge's Faculty of Education. The original survey was created as part of a study examining the role of creative initiatives in fostering wellbeing, which was funded by the international creative learning foundation Creativity, Culture and Education.

What kind of assessment is it?



helps you understand how

gives you real, actionable students feel in insight your school

no paperwork, use a computer, tablet or smartphone





easy to set up, administer and use, with

22 simple

questions

Why choose the **Cambridge Wellbeing** Check?

Informed by robust data and years of experience in child wellbeing, the Cambridge Wellbeing Check is the only digital assessment that empowers you to track and nurture wellbeing in your students through their learning journey and gives you the tools to have a positive impact.

The Cambridge Wellbeing Check includes lesson plans to complement your existing wellbeing or pastoral care curriculum, but is equally relevant in other subjects or as part of wider wellbeing initiatives.

Wellbeing has a real impact on how motivated your students are, and how well they perform. The Cambridge Wellbeing Check helps you create and embed a culture of wellbeing awareness in your teaching that promotes wellbeing in students who feel they're empowered to do better.

"The lesson plans provided were detailed *well. They were easily comprehendible* and pertained to what we follow at our school. The Wellbeing Check was easy to understand. The questions were well structured and relatable to the students." GEMS New Millennium School, Al Khalil, Dubai



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We're a not-for-profit organisation on a mission to unlock every student's potential with the very best learning and research solutions. We're part of Cambridge University Press & Assessment. We've been helping teachers clearly see what's happening in the classroom for nearly 40 years, empowering millions of students in over 100 countries to achieve ever-greater things.



Centre for Evaluation & Monitoring

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