

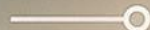


**CrownGate
Education**

A Bold Leap into the Future

Professional Development Courses for STEM Teachers

**Partnering schools to future-proof
learners**



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1. Introduction

2. Course Offerings



01

Introduction

Understanding the Needs of STEM Teachers

Time Constraints and Team Empowerment



STEM teachers are highly skilled but need classroom readiness skills.



The fast changing education sector demands that STEM teachers are lifelong learners.



Training needs to be simple with immediate actionable takeaways.



Understanding the Needs of STEM Teachers

PEDAGOGY GAP AND EQUITY IMPERATIVE



STEM teachers need support on evidence based pedagogy for schools to get highest return on investment from them.



There is real need to connect what is learnt to the real world. Project Based or Inquiry Based Learning fills the gap



STEM teachers need to be diversity sensitive by incorporating inclusive teaching strategies to leave no learner behind

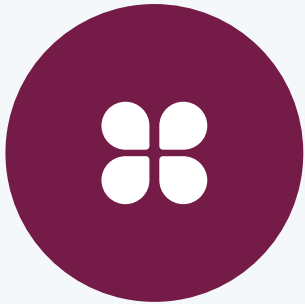


Benefits of Our Courses

“ Positive Impacts



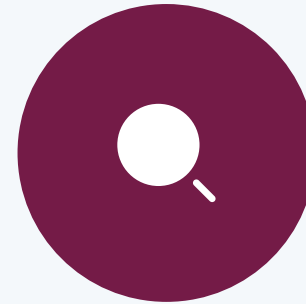
Teachers create positive learning environments increasing learner well being



Teachers expose learners to the future skills thus future proofing them in VUCA times



Accountability to various stakeholders.



Budget- friendly and reusable courses.



Improved teacher performance and better results.



02

**Before we supply
teachers DBE checks
are done and we train
them on Safeguarding**



02

**Not Only that;
Our STEM teachers get
trained in Courses
detailed below to be
classroom ready.**

Data Driven Instruction

Course Description

01

Utilizes evidence from learners' work for decision- making.

02

Improves teacher effectiveness when teaching

Increasing Rigour in Classrooms

Course Description

- Provides deep learning opportunities for content mastery.

- Prepares learners for university adaptation.

Mathematical Thinking for Mastery

Course Description



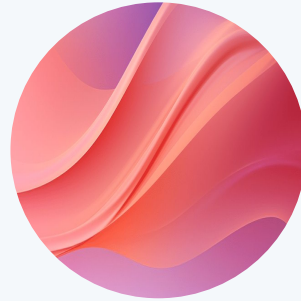
Enhances higher reasoning, pattern recognition, and real- life application.



Aligns with international best practices.

Differentiated Instruction

Course Description



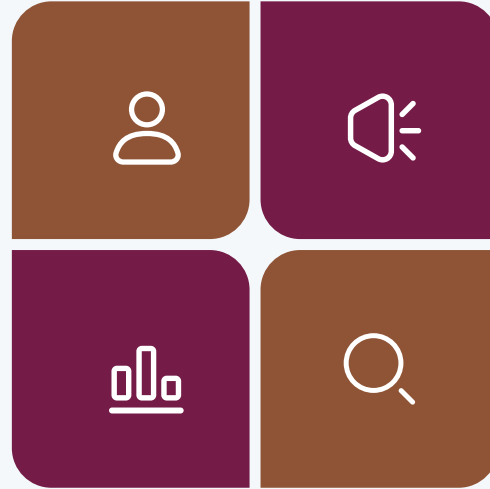
Respects learner diversity with individualized instruction.



Parents are assured that their child is not just another statistic

Inclusive Stem Teaching for Neurodiverse Learners

Adapts methods for learners with different neurological profiles.



Creates a safe, inclusive environment for learners with autism, dyspraxia, dyslexia, and ADHD.

Course Description

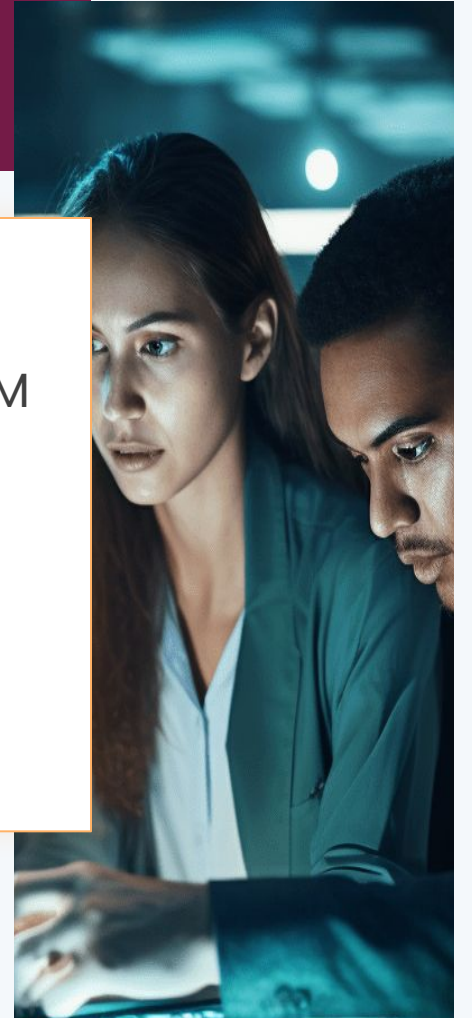
AR and VR for Concept Mastery

Course Description



—
Uses 3D models, animations,
and virtual reality for concept
understanding.

—
Future- proofs learners for STEM
careers.



Green-Tech and Climate Innovation

Course Description



Focuses on reducing environmental degradation and conserving resources.



Positions the school as environmentally friendly and forward- thinking.

Positive Behaviour for Learning (PB4L)

Course Description

Mitigates de-escalation of learner behavior.

Creates a safe, thriving environment for learners.

AI Powered Teaching and Assessment

Course Description

Assigns repetitive work to AI, freeing teachers for high- order teaching.



Empowers teachers with AI tools and prompt- engineering skills.



From Sage to Coach – High Impact Instructional Coaching

01

Transforms teachers from all- knowing Sages to facilitators and coaches.

02

Enhances teacher retention and learner outcomes.

—

Course Description

Courageous Conversations – From Conflict to Commitment

Course Description

01

Guides HoDs in high-stakes conversations for conflict resolution.



02

Builds emotional intelligence and trust within the organisation.

Project Based Learning

Course Description



Teaches project design fostering problem- solving and critical thinking. Teachers are able to expose learners to real life application of concepts.



Demonstrates real- life learning to parents.

Elements of a Lesson



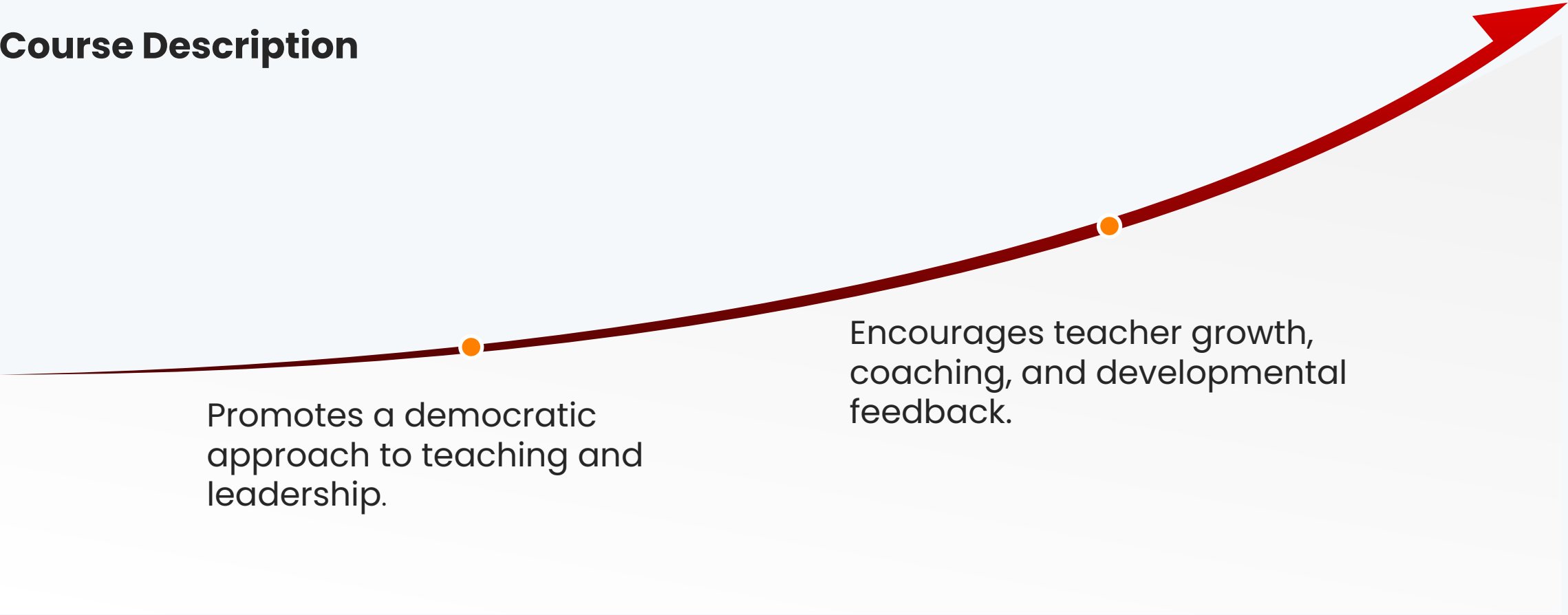
Course Description

Bridges the gap between theoretical knowledge and classroom practicality.

Drives school improvement and parent approval.

Grow, Coach Feedback – The Triple Impact Pathway

Course Description

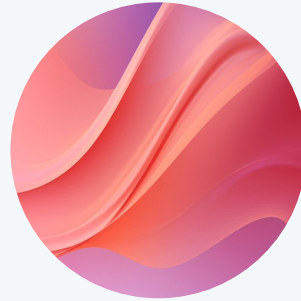


Promotes a democratic approach to teaching and leadership.

Encourages teacher growth, coaching, and developmental feedback.

Neuroplastic Teaching – Rewiring Beliefs Raising Results

Course Description



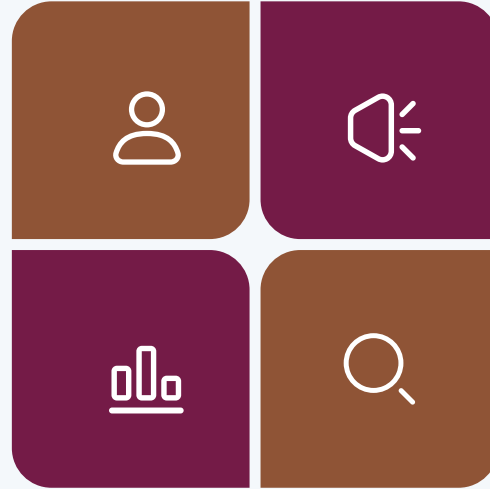
Encourages metacognition and lifelong learning.



Adapts teaching methods to rewire the learner's brain.

Addressing Math Phobia

Investigates and provides solutions for math phobia.



Empowers teachers to help learners overcome challenges in math.

Course Description

Climate Project Based Learning

Course Description

Embeds climate themes in STEM, Social Sciences, and Languages.



Eco-Schools in Action; Building Climate Ready Classrooms

Course Description

Prepares schools for eco- school global expectations and funding readiness.



Climate AI and Future Skills

Course Description



Demonstrates AI's role in climate modeling and adaptation.



Inspires learners towards climate- tech careers.



Climate Justice and Equity in Education



Course Description



Explores the impact of climate change on communities.



Encourages critical thinking about ethics and future careers in climate preservation.



You can also invest in your educators

**Partnering Schools to Future
Proof Learners**



We also offer our courses for school level training

**Partnering Schools to Future
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Course Components



Included Materials



Participant workbook with quizzes and self-assessment.



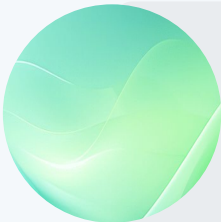
Detailed lesson plan for facilitators with activities and tips.



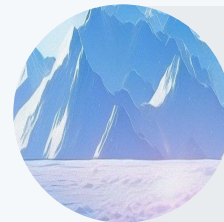
PowerPoint presentation with facilitator notes.



Checklists and rubrics for post-training use.



HoD observation toolkit.



Sources for further reading.

Contact us on 02082645570

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Proof Learners**

