

COMPUTING in MODEL SCHOOLS - PEDAGOGY MODEL - BACKGROUND INFORMATION

21st Century pedagogies

Designing learning for the '21st Century provides opportunities to re-examine and evaluate curriculum, pedagogies and assessment models currently in use. Teaching and assessment practices will require pedagogies that, Personalise learning; Empower and enable learning; Recognise of the social nature of learning; and Build learning communities.

Personalise learning

Learning is personalised when teachers:

- See the student as the centre of the learning experience
- Individualise instruction using a range of technologies
- Understand their students and their preferred learning styles
- Co-construct the learning journey with students and actively involve them in identifying learning goals and targets
- Exercise flexibility in classroom management and selection of teaching strategies
- Be a facilitator of learning

Recognise the social nature of learning

Learning is empowering and enabling when teachers:

- Provide an environment where students develop independence and take responsibility for their own learning
- Ensure learning tasks and activities are – meaningful, relevant, challenging and worth learning
- Set high expectations – expect that all students can and will learn
- Teach students how to think and talk about their own learning
- Provide open-ended learning activities
- Ensure students have opportunities to experience success in their learning

Enable and empower learners

Learning recognises the social / emotional nature of the learner when teachers:

- Foster a supportive learning environment that encourages and values interdependence, mutual respect and trust
- Integrate a range of supportive learning contexts – such as, peer tutoring, group work, modelling, coaching, collaborative problem solving
- Encourage and support students to develop the behaviour of constructive risk taking in order to learn from and build on mistakes made
- Create contexts that enable students to learn from, with and on behalf of each other

Build learning communities

Learning builds communities of learners when teachers:

- Integrate collaborative technologies, social media tools and a range of teaching strategies to extend learning beyond the borders of the school and classroom
- Acknowledge themselves as learners and so model the behaviour of lifelong learning
- Foster a sense of curiosity and wonder in learning and opportunities to learn by taking action/ engaging in real life projects
- Co-construct the learning journey with students and actively involve them in identifying areas of interest/ passion
- Provide opportunities for students to connect with others - including peers, community, experts, global groups - to share/ publish their ideas and products