AI in the Classroom

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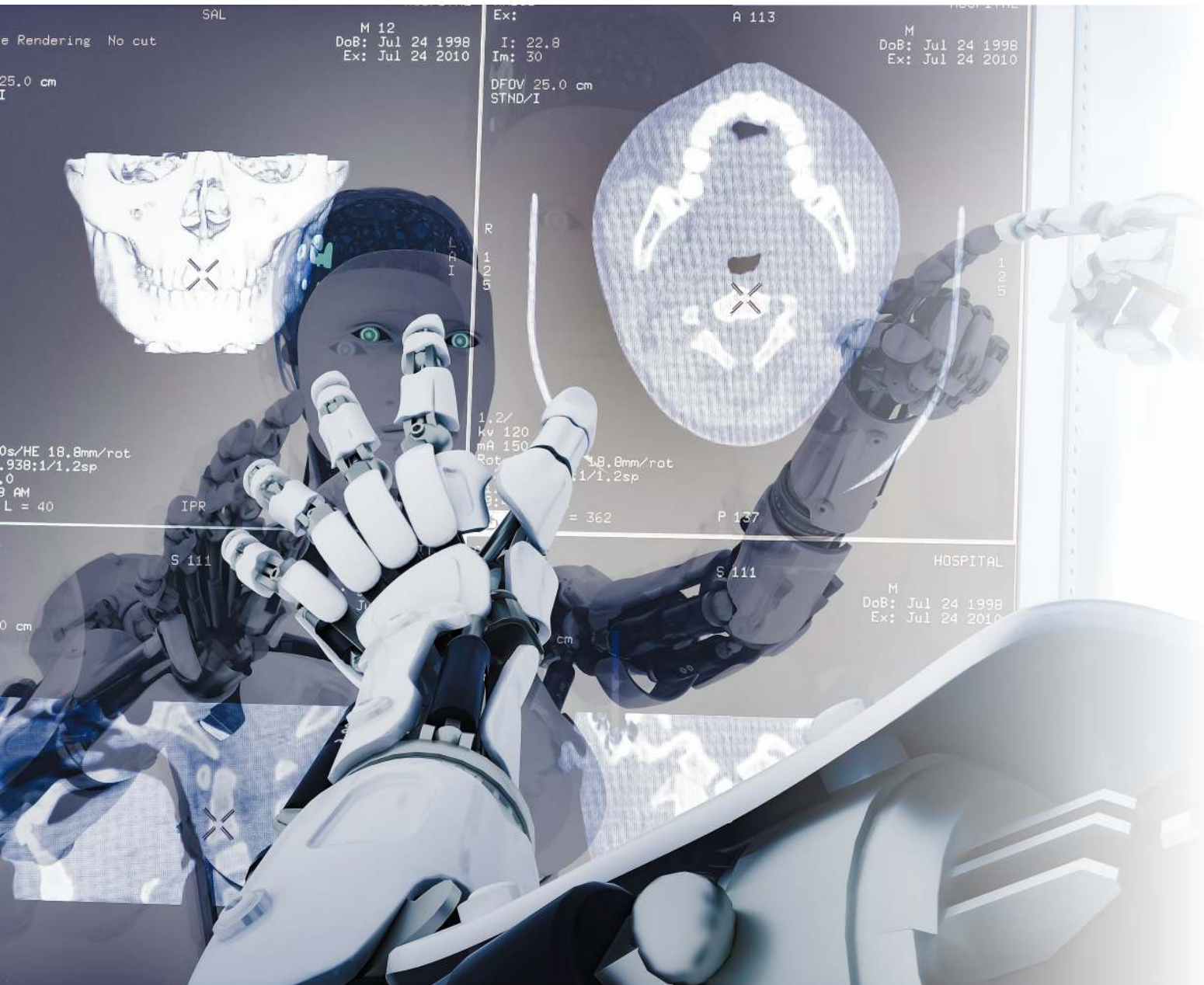
Chat bots – GPT, Bing, Bard

Effective usage

- Not search engines

- Conversational approach

- Incremental prompting

- Gradually building specificity

⟹ **Prompts are key!**

Why?

- Culture of Integrity

- Enhance student engagement

- Active involvement in their learning – more meaningful

- Increase productivity

- Stay relevant

AI Integrated Model – Flipped Concept

Classroom: Exploring application of learning, creating deep learning experiences

Home: Personal tutor - knowledge acquisition, solid foundation, improve weaknesses

Collaborative evaluation of AI generated material

Learning:

• Peer learning

• Identifying weaknesses and limitations

• Recognising bias and developing contrasting arguments

• Critical thinking – implications

• Empowering the student voice

Initiate research projects

Learning:

• Process – from ideation to finished project

• Identifying potential areas of focus

• Forming valid research questions

• Generating reading lists and resources

Structuring Templates

Learning:

• How to structure more effectively

• Logical progression of thought/information/materials

• Identifying potential subheadings or sections

• Use beyond the classroom – CVs, emails, letters, personal statements

Making Resources Accessible

Learning:

• Benefit from a broader range

• Take the fear out of academia

• Engage more effectively –

Simplify, Clarify, Translate, Summarise

Generate Alternative Titles

Learning:

• Evaluate if title accurately reflects the content

• Create more impactful or concise titles

• Assess the suitability of original v alternatives

• Creative thinking

Instant Feedback

Learning:

• Are the points clear enough?

• Do the conclusions reflect the discussion?

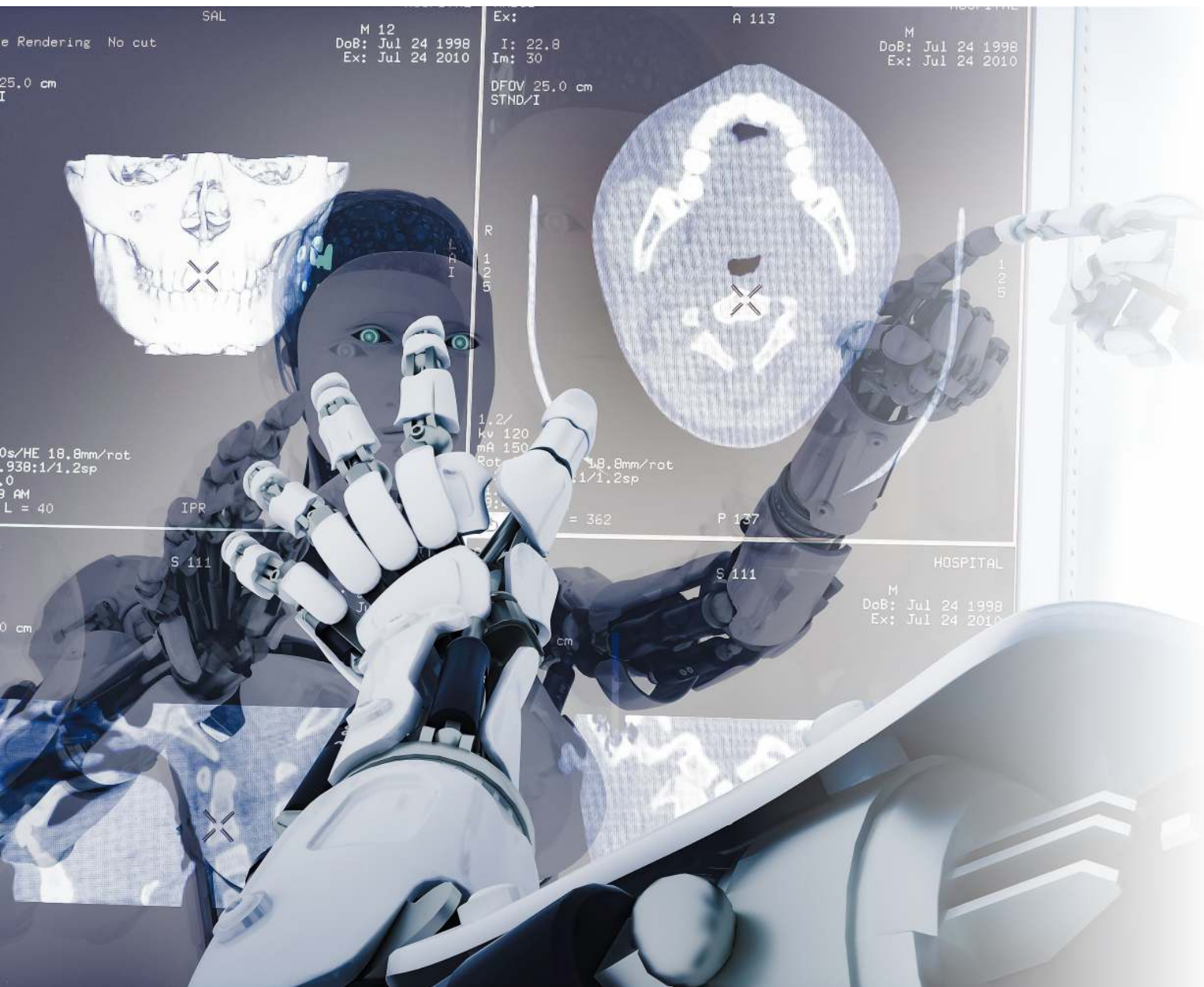• Tips on improving writing style

• Identifying strengths and weaknesses

AI and the educator

- Class materials/resources
- Lesson plans
- Collaborative activities
- Assessment design
- Marking rubrics
- Feedback templates
- Research papers
- Conference abstracts & presentations

Considerations

- Data protection

- Privacy

- Transparency

- Ethics

- Bias

AI in the Classroom

Possibilities

- Initiate projects – ideation

- Structuring templates – essays, presentations

- Improve writing skills

- Resources – simplify, translate, summarise, clarify

- Collaborative activities – debates, quizzes, brainstorms

- Suggest alternative titles or sub-headings

- Provide feedback – clarity, conclusions

- Build resources and templates – lesson plans, marking rubrics, reading lists, study aids

- Assessment design

Classroom: deep learning activities – application of knowledge

Considerations
Data Protection
Transparency
Privacy
Ethics
Bias

Enhance student engagement

Increase productivity

AI at home: personal tutor – knowledge acquisition

HF1 Hazel Farrell, 12/04/2023