SCENARIO
You are a medical intern and you have been asked to create a "medical moment" video presentation (either option 1 or 2) for patients and their families before they undergo a medical procedure involving a cellular technology.

OPTION 1
Your presentation should clearly communicate:
① how the technology works,
② what the patient can expect,
③ why the technology is being used, and
④ how it has enhanced scientists' understanding of cells and cellular processes.

OPTION 2
Your presentation should clearly communicate:
① the effects of the technology on the human body,
② the pros and cons of the technology,
③ environmental impacts of the technology, and
④ moral/ethical issues surrounding the use of the technology.

EXPECTATIONS
✓ students working individually will complete either option 1 or 2 and students working with a partner will complete both options (note - only one student/option and the availability of the options is on a first come basis)
✓ students will be marked individually - when working in partners, each partner must present their portion
✓ the presentation must include visual aids (i.e. powerpoint, photos, graphs, ...)
✓ the content (i.e., the language and terminology used) must be suitable for your audience (i.e. blue-collar)
✓ the presentation should take approximately 3 minutes/individual
✓ you **must** be available to present on your pre-determined date (or marks will be deducted)
✓ evaluation will be based on your content, appropriateness of content, visual aids, public speaking skills
✓ the technology chosen must be (a) from the list below or (b) be pre-approved by the teacher

CELLULAR TECHNOLOGIES (P.92-119)
- Biophotonics
- Blood Enzyme Assay
- Cloning
- Computed Tomography (CT)
- Electrophoresis
- Fluoroscopy
- Gene Therapy
- Immunization Programs
- Magnetic Resonance Imaging (MRI)
- Nuclear Medicine
- Organ Transplants
- Positron Emission Tomography (PET)
- Public Health Education Programs
- Screening Programs (cancer, DNA)
- Swabs & Cultures
- Transgenic Techniques
- Radiotherapy
- Reproductive Technologies
- Stem Cells
- Ultrasound
- X-ray

* You may also want to check out the following links for other possible technologies/topics:
http://news.ifr.ac.uk/2013/04/glycocode-mining
http://www.medec.org/content/profiles
http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/MedicalImaging/
http://www.nlm.nih.gov/medlineplus/diagnosticimaging.html

EVALUATION

OPTION 1 ① how the technology works ② what the patient can expect ③ why the technology is being used ④ how it has improved scientists' understanding of cells & cellular processes (X2)	OPTION 2 ① effects of the technology on the body ② pros & cons of the technology ③ environmental impacts of the technology ④ moral/ethical issues surrounding the use of the technology (X2)	0 + 1 + 2 + 3 + 4 + 5 0 + 1 + 2 + 3 + 4 + 5 0 + 1 + 2 + 3 + 4 + 5 0 + 1 + 2 + 3 + 4 + 5	/25
PRESENTATION • language/terminology (pronunciation, understandable, appropriate, ...) • use of visual aids (diagrams/photos/graphs, relevant, ...) • comfort level (strong voice, good eye contact, relaxed & confident, ...) • preparedness (ready to go, knows the material, pacing, ...) • interest/engagement (audience is quiet, engaged, responsive, ...)		0 + 1 + 2 + 3 + 4 0 + 1 + 2 + 3 + 4 0 + 1 + 2 + 3 + 4 0 + 1 + 2 + 3 + 4 0 + 1 + 2 + 3 + 4	/20
0 = ??? 1 = poor/limited 2 = good/some 3 = very good/considerable 4 = excellent/thorough 5 = outstanding/exceptional			
		TOTAL ☞	/45
Comments:			