

M5 E PORTFOLIO ASSESSMENT

GLOBAL CONTEXT

**SCIENTIFIC AND TECHNICAL
INNOVATION**

DRAMA WITH A PURPOSE



6.30PM

THURSDAY, 9TH FEBRUARY

DWIGHT SCHOOL LONDON

JUBILEE HALL

N11 3LX



The Periodic Table



18

1	2	10	17	18
H hydrogen 1.007 94(7)	He helium 4.002 602(2)	Ne neon 20.1797(6)	F fluorine 18.998 4032(5)	Ar argon 39.948(1)
3	4	12	16	18
Li lithium 6.941(2)	Be beryllium 9.012 2(2)	Mg magnesium 24.3050(6)	O oxygen 15.9994(4)	Ne neon 20.1797(6)
11	12	18	34	36
Na sodium 22.989 76928(2)	Mg magnesium 24.3050(6)	Ar argon 39.948(1)	S sulfur 32.065(5)	Kr krypton 83.798(2)
19	20	36	52	54
K potassium 39.0983(1)	Ca calcium 40.078(4)	Ar argon 39.948(1)	Se selenium 78.96(3)	Xe xenon 131.293(6)
37	38	54	80	86
Rb rubidium 85.4678(3)	Sr strontium 87.62(1)	Kr krypton 83.798(2)	Te tellurium 127.60(3)	Rn radon [222]

13

5	6	7	8	9
B boron 10.811(7)	C carbon 12.0107(8)	N nitrogen 14.0064(2)	O oxygen 15.9994(4)	F fluorine 18.998 4032(5)
13	14	15	16	17
Al aluminum 26.981 538 6(8)	Si silicon 28.0855(3)	P phosphorus 30.973 762(2)	S sulfur 32.065(5)	Cl chlorine 35.453(2)
31	32	33	34	35
Ga gallium 69.723(1)	Ge germanium 72.64(1)	As arsenic 74.921 60(2)	Se selenium 78.96(3)	Br bromine 79.904(1)
49	50	51	52	53
In indium 114.818(8)	Sn tin 118.710(7)	Sb antimony 121.760(1)	Te tellurium 127.60(3)	I iodine 126.904 47(3)
81	82	83	84	85
Tl thallium 204.3833(2)	Pb lead 207.2(1)	Bi bismuth 208.980 40(1)	Po polonium [209]	At astatine [210]

12

30	29	11	12
Zn zinc 65.409(4)	Cu copper 63.546(3)	Cn copernicium [285]	Cd cadmium 112.411(8)
48	47	111	112
Cd cadmium 112.411(8)	Ag silver 107.8682(2)	Rg roentgenium [272]	Cn copernicium [285]
80	79	110	112
Hg mercury 200.59(2)	Au gold 196.966 569(4)	Ds darmstadtium [271]	Cn copernicium [285]
112	111	110	112
Cn copernicium [285]	Rg roentgenium [272]	Ds darmstadtium [271]	Cn copernicium [285]

11

27	28	11	12
Co cobalt 58.933 195(5)	Ni nickel 58.6934(2)	Cu copper 63.546(3)	Zn zinc 65.409(4)
45	46	47	48
Rh rhodium 101.07(2)	Pd palladium 106.42(1)	Ag silver 107.8682(2)	Cd cadmium 112.411(8)
77	78	79	80
Ir iridium 192.22(5)	Pt platinum 195.084(3)	Au gold 196.966 569(4)	Hg mercury 200.59(2)
109	110	111	112
Mt meitnerium [268]	Ds darmstadtium [271]	Rg roentgenium [272]	Cn copernicium [285]

10

26	27	11	12
Fe iron 55.845(2)	Co cobalt 58.933 195(5)	Cu copper 63.546(3)	Zn zinc 65.409(4)
44	45	46	47
Ru ruthenium 101.07(2)	Rh rhodium 101.07(2)	Pd palladium 106.42(1)	Ag silver 107.8682(2)
76	77	78	79
Os osmium 192.22(5)	Ir iridium 192.22(5)	Pt platinum 195.084(3)	Au gold 196.966 569(4)
108	109	110	111
Hs hassium [277]	Mt meitnerium [268]	Ds darmstadtium [271]	Rg roentgenium [272]

9

25	26	11	12
Mn manganese 54.938 045(5)	Fe iron 55.845(2)	Cu copper 63.546(3)	Zn zinc 65.409(4)
43	44	45	46
Tc technetium [98]	Ru ruthenium 101.07(2)	Rh rhodium 101.07(2)	Pd palladium 106.42(1)
75	76	77	78
Re rhenium 186.207(1)	Os osmium 192.22(5)	Ir iridium 192.22(5)	Pt platinum 195.084(3)
107	108	109	110
Bh bohrium [264]	Hs hassium [277]	Mt meitnerium [268]	Ds darmstadtium [271]

8

24	25	11	12
Cr chromium 51.9961(6)	Mn manganese 54.938 045(5)	Cu copper 63.546(3)	Zn zinc 65.409(4)
42	43	44	45
Mo molybdenum 95.94(2)	Tc technetium [98]	Ru ruthenium 101.07(2)	Rh rhodium 101.07(2)
74	75	76	77
W tungsten 183.84(8)	Re rhenium 186.207(1)	Os osmium 192.22(5)	Ir iridium 192.22(5)
106	107	108	109
Sg seaborgium [266]	Bh bohrium [264]	Hs hassium [277]	Mt meitnerium [268]

7

23	24	11	12
V vanadium 50.9415(1)	Cr chromium 51.9961(6)	Cu copper 63.546(3)	Zn zinc 65.409(4)
41	42	43	44
Nb niobium 92.906 38(2)	Mo molybdenum 95.94(2)	Tc technetium [98]	Ru ruthenium 101.07(2)
73	74	75	76
Ta tantalum 180.947 88(2)	W tungsten 183.84(8)	Re rhenium 186.207(1)	Os osmium 192.22(5)
105	106	107	108
Db dubnium [262]	Sg seaborgium [266]	Bh bohrium [264]	Hs hassium [277]

6

22	23	11	12
Ti titanium 47.867(1)	V vanadium 50.9415(1)	Cu copper 63.546(3)	Zn zinc 65.409(4)
40	41	42	43
Zr zirconium 91.224(2)	Nb niobium 92.906 38(2)	Mo molybdenum 95.94(2)	Tc technetium [98]
72	73	74	75
Hf hafnium 178.49(2)	Ta tantalum 180.947 88(2)	W tungsten 183.84(8)	Re rhenium 186.207(1)
104	105	106	107
Rf rutherfordium [261]	Db dubnium [262]	Sg seaborgium [266]	Bh bohrium [264]

5

21	22	11	12
Sc scandium 44.955 912(6)	Ti titanium 47.867(1)	Cu copper 63.546(3)	Zn zinc 65.409(4)
39	40	41	42
Y yttrium 88.905 85(2)	Zr zirconium 91.224(2)	Nb niobium 92.906 38(2)	Mo molybdenum 95.94(2)
57-71	72	73	74
La-Lu lanthanoids	Hf hafnium 178.49(2)	Ta tantalum 180.947 88(2)	W tungsten 183.84(8)
89-103	104	105	106
Ac-Lr actinoids	Rf rutherfordium [261]	Db dubnium [262]	Sg seaborgium [266]

4

20	21	11	12
Ca calcium 40.078(4)	Sc scandium 44.955 912(6)	Cu copper 63.546(3)	Zn zinc 65.409(4)
38	39	40	41
Sr strontium 87.62(1)	Y yttrium 88.905 85(2)	Zr zirconium 91.224(2)	Nb niobium 92.906 38(2)
56	57-71	72	73
Ba barium 137.327(1)	La-Lu lanthanoids	Hf hafnium 178.49(2)	Ta tantalum 180.947 88(2)
88	89-103	104	105
Ra radium [226]	Ac-Lr actinoids	Rf rutherfordium [261]	Db dubnium [262]

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19	20	11	12
K potassium 39.0983(1)	Ca calcium 40.078(4)	Cu copper 63.546(3)	Zn zinc 65.409(4)
37	38	39	40
Rb rubidium 85.4678(3)	Sr strontium 87.62(1)	Y yttrium 88.905 85(2)	Zr zirconium 91.224(2)
55	56	57-71	72
Cs caesium 132.905 451(2)	Ba barium 137.327(1)	La-Lu lanthanoids	Hf hafnium 178.49(2)
87	88	89-103	104
Fr francium [223]	Ra radium [226]	Ac-Lr actinoids	Rf rutherfordium [261]

2

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16	17	18	19	20
O oxygen 15.9994(4)	F fluorine 18.998 4032(5)	Ne neon 20.1797(6)	K potassium 39.0983(1)	Ca calcium 40.078(4)
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1

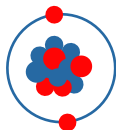
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17

9	10	16	17	18
F fluorine 18.998 4032(5)	Ne neon 20.1797(6)	O oxygen 15.9994(4)	F fluorine 18.998 4032(5)	Ar argon 39.9



This year the students have been asked to write short group plays and monologues which address scientific issues and technical innovations.



In their performances the students will demonstrate some Brechtian theatrical techniques known as Epic Theatre, which strip away theatrical illusion and remind the audience that they are watching a play.

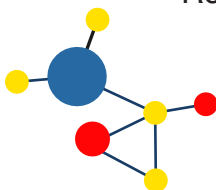
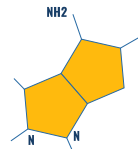


Starring

Ishani Shah & Malak Bahig

Orabella McMillan, Portia Greenig & Owen Bae

Rosie Guenther, Carla Ovilo & Yonatan Haim



Interval

Gerry Hwang & Mikiyo Kaneyama

Ion Belesis & Ran Mitani



Thank you for attending and for filling in the students questionnaires which are invaluable for their reflections in the e portfolios.





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