

LONDON MEETING IDEAS FROM MORNING SESSION

No	Gp	Idea
1.	F	Further Maths Network is a good idea.
2.	F	There are a lot of initiatives at primary and secondary school level but these need to be coordinated and evaluated.
3.	F	Need to make sure the needs of industry are met.
4.	F	Careers a lot of initiatives but little evaluation apart from happiness sheets.
5.	F	Good careers study in Scotland by Brian Wodnough Oxford U.
6.	F	Difficulty with time for teachers to do more.
7.	F	Curriculum initiatives including Kings/Edexcel Pathways.
8.	F	Maths compulsory at KS4 means it is not discussed in schools much.
9.	F	Image of maths in the media: the BBC is planning an initiative
10.	F	We need to change perceptions. It is OK to be stuck.
11.	B	Student encouragement initiatives good eg UAS.
12.	B	Peer tutoring Vertex C3system, Whiteboard, Scheme whereby 14 year olds support others.
13.	B	Must foster a love of Maths from an early age.
14.	B	Motivation is key.
15.	B	Do a marketing job to stop young people closing doors if they do not choose Maths.
16.	C	Curriculum enrichment need to balance mathematical content with mathematical application.
17.	C	Teacher support: eg MEI upskilling of Maths teachers, Warwick U students helping in classroom teaching one day a week
18.	C	Industry links IBM local initiative with e-mentoring, DSTL bursaries for undergraduates.
19.	C	Lack of assessment of initiatives.
20.	C	Lack of awareness of initiatives.
21.	C	Balance between money for initiative and sharing of good practice.
22.	A	Enrichment important eg Masterclasses.
23.	A	Group activities and discussions important.
24.	A	Offer financial incentives.
25.	A	More active style of learning.
26.	A	Pick out gifted and talented early on.
27.	A	Have cross curricular activities as maths can be isolated. It is also being squeezed in curriculum.
28.	A	Need to challenge misconceptions about Maths.
29.	A	Is university teaching in Maths too technical?
30.	A	Need collaboration between schools and HE.
31.	A	School league tables can be an inhibitor.
32.	A	Image of maths and mathematicians a problem.
33.	A	Need to promote that maths is everywhere.
34.	A	Need to change perception that it is OK to be bad at maths.

35.	A	Focus on career aspects of Maths.
36.	A	Promote good salary opportunities with A level Maths.
37.	A	Widen participation.
38.	A	Make Maths a people subject.
39.	D	Increase numbers of Maths teachers; Adult returners; minor courses; Maths in other subjects, MSc and other CPD,
40.	D	When Qualified Maths Teacher comes in pay these more.
41.	D	Improve careers advice.
42.	D	Improve media image.
43.	E	Work based initiatives eg Avon Cosmetics career Review scheme –target adult learners.
44.	E	Make real life Maths links eg maths 2000.
45.	E	Information gap across the sectors.
46.	E	Careers advice and materials need improving.
47.	E	Need to get more parental involvement.
48.	E	Promote Maths at early age involving parents as well.
49.	E	More maths ideas on the STEM Website.
50.	E	Teachers need more organised information.
51.	E	Need to glamorise mathematics.
52.	E	CMS careers site good but not well known.
53.	E	Careers teachers in schools need to know more about Maths.
54.	G	Initiatives mentioned: UKMT, Masterclasses, NAGTY, Robocop Junior. VEGA Young scientist, RSS School workshops, ATE summer camp, (nos dropping), MMP, UAS
55.	G	A lot of initiatives but are they marginal.
56.	G	Need to increase popularity of subject.
57.	G	Make teaching more exciting.
58.	G	Reduce anxiety for pupils about maths.
59.	G	More information about careers opportunities.
60.	G	Change image that it is acceptable not to be good at maths.
61.	G	Make teaching an exciting career option and reduce wastage.
62.	G	Demonstrate that maths underpins all subjects.
63.	G	Be careful that Maths is not seen as too exclusive.
64.	G	Look at changes to HE courses.

MEASURES

1	B	Measure numbers/gender/interest.
2	B	Measure fun feeling with general public.
3.	A	More going from AS to A level.
4.	A	Students better prepared for Maths in HE.
5.	D	No single measure of success: can do attitude
6.	D	Ask students why they are doing Maths.
7.	E	Benefits may not appear for 10 years.