

## Appendix A – Survey Questions

### Students

**1** Type of access:

AS/A level student with access through your school/college (i.e. not a Further Maths Network student)

FSMQ Additional Mathematics student

Further Mathematics Network student

Other, please state:

**2** How often do you use the resources for the following:

Always, Often, Sometimes, Never, N/A

**a** To learn a unit without any help from a tutor/teacher

**b** To reinforce what you have been taught in class

**c** To look something up if you are stuck

**d** To find interactive/active learning resources to help you understand a topic

**e** As a source of extra questions to practise on

**f** To reinforce your own knowledge of mathematics

**g** Other ways you use the resources:

**3** How important are the following factors in encouraging you to use the resources

Very important, Important, Has some affect, Has no affect, N/A

**a** The resources are tailored to the units I'm learning

**b** The resources cover a large number of units

**c** The interactive/active-learning resources are integrated in to each section

**d** The resources are set an appropriate level for me

**e** Any other features of the resource that are a significant factor in how you use them

**4** Please rate the quality of the following resources

Excellent, Good, Adequate, Poor, N/A

**a** Notes/study plans/glossaries

**b** Additional exercises

**c** Worked solutions to textbook questions/additional exercises

**d** Interactive resources

**e** Active learning resources

**f** Multiple choice tests/chapter assessments

**5** Do you think the resources have helped you to develop your study skills?

Yes, No

If you have answered "Yes" please indicate what study skills you have developed by using the resources:

**6** Any other comments about the resources not covered in the questions above:

### Teachers

**7** Type of access:

Subscriber to the full A level resources

Subscriber to the FSMQ Additional Mathematics resources

School/College registered with the Further Mathematics Network

Other, please state:

**8** How often do you use the resources for the following:

Always, Often, Sometimes, Never, N/A

**a** Preparing for a unit before you teach it

**b** To get extra teaching ideas

**c** As a source of interactive/active learning resources

**d** As a source of extra questions

**e** To reinforce your own knowledge of mathematics

- f** To set work for students to do outside class  
**g** Other ways you use the resources:

9 How important are the following factors in affecting how often you use the resources  
 Very important, Important, Has some affect, Has no affect, N/A

- a** The resources are tailored to the units I'm teaching  
**b** The resources cover a large number of units  
**c** The interactive/active-learning resources are integrated in to each section  
**d** The resources are set at an appropriate level for students  
**e** Any other features of the resource that are a significant factor in how you use them

10 Please rate the quality of the following resources

Excellent, Good, Adequate, Poor, N/A

- a** Notes/study plans/glossaries  
**b** Additional exercises  
**c** Worked solutions to textbook questions/additional exercises  
**d** Interactive resources  
**e** Active learning resources  
**f** Multiple choice tests/chapter assessments

11 Has using the resources had an impact on how often you do the following in your teaching?

More often, No difference, Less often, N/A

- a** Use a projector and/or Interactive Whiteboard  
**b** Use mathematical software (e.g. graph-plotters or spreadsheets) for teaching and learning  
**c** Set ICT-based work for students in class  
**d** Set ICT-based work for students to do outside lessons  
**e** Use mathematics websites  
**f** Use active-learning materials (e.g. jigsaws/matching activities)

12 Do you think the resources encourage students to become more independent learners?

Yes, No

If you have answered "Yes" please indicate what study skills students develop by using the resources:

13 Any other comments about the resources not covered in the questions above:

## Survey Results

### Students

1 Type of student

AS/A level student	108
FSMQ Additional Mathematics	5
Further Mathematics Network	37
Other	2
Total	152

2 How often do you use the resources for the following:

		Always	Often	Sometimes	Never	N/A
a	To learn a unit without any help from a tutor/teacher	10%	14%	36%	36%	5%
b	To reinforce what you have been taught in class	15%	45%	31%	5%	4%
c	To look something up if you are stuck	36%	46%	14%	3%	2%
d	To find interactive/active learning resources to help you understand a topic	9%	34%	39%	15%	3%
e	As a source of extra questions to practise on	14%	26%	38%	18%	3%
f	To reinforce your own knowledge of mathematics	12%	34%	36%	15%	3%

3 How important are the following factors in encouraging you to use the resources

		Very important	Important	Has some affect	Has no affect	N/A
a	The resources are tailored to the units I'm learning	68%	26%	3%	1%	2%
b	The resources cover a large number of units	34%	52%	9%	2%	3%
c	The interactive/active-learning resources are integrated in to each section	28%	39%	21%	9%	4%
d	The resources are set an appropriate level for me	36%	46%	11%	3%	4%

4 Please rate the quality of the following resources

		Excellent	Good	Adequate	Poor	N/A
a	Notes/study plans/glossaries	25%	57%	11%	3%	5%
b	Additional exercises	16%	59%	15%	1%	9%
c	Worked solutions to textbook questions/additional exercises	37%	38%	16%	5%	5%
d	Interactive resources	19%	47%	25%	2%	7%
e	Active learning resources	14%	51%	24%	1%	9%
f	Multiple choice tests/chapter assessments	36%	46%	12%	2%	5%

5 Do you think the resources have helped you to develop your study skills?

Yes	74%
No	26%
No response	1%

**Teachers**

7 Type of user

Subscriber to the full A level resources	66
Subscriber to the FSMQ Additional Mathematics resources	1
School/College registered with the Further Mathematics Network	20
Other/no response	14
<b>Total</b>	<b>101</b>

8 How often do you use the resources for the following:

		Always	Often	Sometimes	Never	N/A
a	Preparing for a unit before you teach it	39%	39%	19%	4%	0%
b	To get extra teaching ideas	26%	46%	27%	2%	0%
c	As a source of interactive/active learning resources	14%	47%	35%	5%	0%
d	As a source of extra questions	23%	46%	29%	2%	1%
e	To reinforce your own knowledge of mathematics	13%	11%	50%	22%	5%
f	To set work for students to do outside class	22%	33%	38%	6%	2%

9 How important are the following factors in affecting how often you use the resources

		Very important	Important	Has some affect	Has no affect	N/A
a	The resources are tailored to the units I'm teaching	75%	20%	3%	1%	1%
b	The resources cover a large number of units	47%	42%	7%	3%	2%
c	The interactive/active-learning resources are integrated in to each section	38%	39%	18%	6%	0%
d	The resources are set at an appropriate level for students	53%	42%	5%	0%	0%

10 Please rate the quality of the following resources

		Excellent	Good	Adequate	Poor	N/A
a	Notes/study plans/glossaries	40%	49%	9%	2%	1%
b	Additional exercises	38%	55%	5%	0%	2%
c	Worked solutions to textbook questions/additional exercises	43%	43%	12%	0%	3%
d	Interactive resources	24%	48%	23%	0%	6%
e	Active learning resources	27%	45%	18%	0%	11%
f	Multiple choice tests/chapter assessments	45%	45%	8%	0%	3%

11 Has using the resources had an impact on how often you do the following in your teaching?

		More often	No difference	Less often	N/A
a	Use a projector and/or Interactive Whiteboard	41%	56%	0%	3%
b	Use mathematical software (e.g. graph-plotters or spreadsheets) for teaching and learning	20%	75%	2%	3%
c	Set ICT-based work for students in class	19%	71%	2%	8%
d	Set ICT-based work for students to do outside lessons	35%	55%	3%	7%
e	Use mathematics websites	40%	54%	2%	4%
f	Use active-learning materials (e.g. jigsaws/matching activities)	63%	32%	0%	5%

12 Do you think the resources encourage students to become more independent learners?

Yes	71%
No	23%
No response	6%