

**APPENDIX A: TEST BLUEPRINT FOR 2008 MEAP**

## MEAP English Language Arts Test Design for Grades 3-8

### Test Blueprint/Testmap

SUBJECT	LEVEL	FORM	TYPE	SCENARIO	Part	Test Position	STRAND
LA	02	0801	CR	K&E FT	1	1	W
LA	02	0800	MC	Bird's Nest Safari	1	2	R
LA	02	0800	MC	Bird's Nest Safari	1	3	R
LA	02	0800	MC	Bird's Nest Safari	1	4	R
LA	02	0800	MC	Bird's Nest Safari	1	5	R
LA	02	0800	MC	Bird's Nest Safari	1	6	R
LA	02	0800	MC	Bird's Nest Safari	1	7	R
LA	02	0800	MC	Bird's Nest Safari	1	8	R
LA	02	0800	MC	Bird's Nest Safari	1	9	R
LA	02	0800	MC	Dogs to the Rescue	1	10	R
LA	02	0800	MC	Dogs to the Rescue	1	11	R
LA	02	0800	MC	Dogs to the Rescue	1	12	R
LA	02	0800	MC	Dogs to the Rescue	1	13	R
LA	02	0800	MC	Dogs to the Rescue	1	14	R
LA	02	0800	MC	Dogs to the Rescue	1	15	R
LA	02	0800	MC	Dogs to the Rescue	1	16	R
LA	02	0800	MC	Dogs to the Rescue	1	17	R
LA	02	0801	CR	Dogs to the Rescue 3-pt SA	1	18	R
LA	02	0800	MC	Dexter Robin Learns to Fly	1	19	R
LA	02	0800	MC	Dexter Robin Learns to Fly	1	20	R
LA	02	0800	MC	Dexter Robin Learns to Fly	1	21	R
LA	02	0800	MC	Dexter Robin Learns to Fly	1	22	R
LA	02	0800	MC	Dexter Robin Learns to Fly	1	23	R
LA	02	0800	MC	Dexter Robin Learns to Fly	1	24	R
LA	02	0800	MC	Dexter Robin Learns to Fly	1	25	R
LA	02	0800	MC	Dexter Robin Learns to Fly	1	26	R
LA	02	0801	CR	Dexter Robin Learns to Fly	1	27	R
LA	02	0800	MC	Dexter Robin Learns to Fly/Dog	1	28	R

SUBJECT	LEVEL	FORM	TYPE	SCENARIO	Part	Test Position	STRAND
LA	02	0800	MC	Dexter Robin Learns to Fly/Dog	1	29	R
LA	02	0800	MC	Dexter Robin Learns to Fly/Dog	1	30	R
LA	02	0800	MC	Dexter Robin Learns to Fly/Dog	1	31	R
LA	02	0800	MC	Dexter Robin Learns to Fly/Dog	1	32	R
LA	02	0800	MC	Dexter Robin Learns to Fly/Dog	1	33	R
LA	02	0800	CR	Writing from Knowledge and Experience	2	34	W
LA	02	0801	MC	ELA 03-ST3	2	35	W
LA	02	0801	MC	ELA 03-ST3	2	36	W
LA	02	0801	MC	ELA 03-ST3	2	37	W
LA	02	0801	MC	ELA 03-ST3	2	38	W
LA	02	0801	MC	ELA 03-ST3	2	39	W
LA	02	0801	MC	ELA 03-ST3	2	40	W
LA	02	0801	CR	ELA 03-ST3	2	41	W
LA	02	0800	MC	Elena	2	42	W
LA	02	0800	MC	Elena	2	43	W
LA	02	0800	MC	Elena	2	44	W
LA	02	0800	MC	Elena	2	45	W
LA	02	0800	MC	Elena	2	46	W
LA	02	0800	MC	Elena	2	47	W
LA	02	0800	MC	Elena	2	48	W
LA	02	0800	MC	Jungle Adventure	2	49	W
LA	02	0800	MC	Jungle Adventure	2	50	W
LA	02	0800	MC	Jungle Adventure	2	51	W
LA	02	0800	MC	Jungle Adventure	2	52	W
LA	02	0800	MC	Jungle Adventure	2	53	W
LA	02	0800	MC	Jungle Adventure	2	54	W
LA	02	0800	CR	Jungle Adventure CR	2	55	W

## MEAP Mathematics Blueprint/Testmap

### Grade 3

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
N	ME	02	N.ME.02.02	MC	1	1	1	1	1	1
N	ME	02	N.ME.02.02	MC	1	1	2	2	1	1
N	ME	03	N.ME.02.03	MC	1	1	3	3	1	1
N	ME	03	N.ME.02.03	MC	1	1	4	4	1	1
N	MR	07	N.MR.02.07	MC	1	1	5	5	1	1
N	MR	07	N.MR.02.07	MC	1	1	6	6	1	1
N	MR	09	N.MR.02.09	MC	1	1	7	7	1	1
N	MR	09	N.MR.02.09	MC	1	1	8	8	1	1
N	FL	10	N.FL.02.10	MC	1	1	9	9	1	1
N	FL	10	N.FL.02.10	MC	1	1	10	10	1	1
N	FL	11	N.FL.02.11	MC	1	1	11	11	1	1
N	FL	11	N.FL.02.11	MC	1	1	12	12	1	1
N	MR	13	N.MR.02.13	MC	1	1	13	13	1	1
N	MR	13	N.MR.02.13	MC	1	1	14	14	1	1
N	MR	14	N.MR.02.14	MC	1	1	15	15	1	1
N	MR	14	N.MR.02.14	MC	1	1	16	16	1	1
N	ME	18	N.ME.02.18	MC	1	1	17	17	1	1
N	ME	18	N.ME.02.18	MC	1	1	18	18	1	1
N	ME	19	N.ME.02.19	MC	1	1	19	19	1	1
N	ME	19	N.ME.02.19	MC	1	1	20	20	1	1
N	ME	20	N.ME.02.20	MC	1	1	21	21	1	1
N	ME	20	N.ME.02.20	MC	1	1	22	22	1	1
N	ME	01	N.ME.02.01	MC	1	5	23	23	1	1
N	MR	08	N.MR.02.08	MC	1	5	24	24	1	1
N	MR	16	N.MR.02.16	MC	1	5	25	25	1	1
M	UN	01	M.UN.02.01	MC	2	1	30	26	1	1
M	UN	01	M.UN.02.01	MC	2	1	31	27	1	1
M	PS	02	M.PS.02.02	MC	2	1	32	28	1	1
M	PS	02	M.PS.02.02	MC	2	1	33	29	1	1

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
M	UN	05	M.UN.02.05	MC	2	1	34	30	1	1
M	UN	05	M.UN.02.05	MC	2	1	35	31	1	1
M	UN	06	M.UN.02.06	MC	2	1	36	32	1	1
M	UN	06	M.UN.02.06	MC	2	1	37	33	1	1
M	UN	07	M.UN.02.07	MC	2	1	38	34	1	1
M	UN	07	M.UN.02.07	MC	2	1	39	35	1	1
M	PS	10	M.PS.02.10	MC	2	1	40	36	1	1
M	PS	10	M.PS.02.10	MC	2	1	41	37	1	1
M	TE	11	M.TE.02.11	MC	2	1	42	38	1	1
M	TE	11	M.TE.02.11	MC	2	1	43	39	1	1
G	GS	01	G.GS.02.01	MC	2	1	44	40	1	1
G	GS	01	G.GS.02.01	MC	2	1	45	41	1	1
G	SR	05	G.SR.02.05	MC	2	1	46	42	1	1
G	SR	05	G.SR.02.05	MC	2	1	47	43	1	1
N	FL	06	N.FL.02.06	MC	2	5	48	44	1	1
G	GS	04	G.GS.02.04	MC	2	5	49	45	1	1
M	UN	03	M.UN.02.03	MC	2	5	50	46	1	1
M	UN	09	M.UN.02.09	MC	2	5	51	47	1	1
N	ME	02	N.ME.02.02	MC	1	1	26		0	0
N	ME	19	N.ME.02.19	MC	1	1	27		0	0
N	ME	18	N.ME.02.18	MC	1	1	28		0	0
N	MR	14	N.MR.02.14	MC	1	1	29		0	0
M	PS	10	M.PS.02.10	MC	2	1	52		0	0
M	UN	01	M.UN.02.01	MC	2	1	53		0	0
M	UN	07	M.UN.02.07	MC	2	1	54		0	0
D	RE	01	D.RE.02.01	MC	2	4	55	48	0	0
N	MR	15	N.MR.02.15	MC	2	4	56	58	0	0
M	UN	09	M.UN.02.09	MC	2	5	57		0	0
N	MR	13	N.MR.02.13	MC	1	1	26		0	0
N	MR	09	N.MR.02.09	MC	1	1	27		0	0
N	FL	11	N.FL.02.11	MC	1	1	28		0	0
N	ME	20	N.ME.02.20	MC	1	1	29		0	0

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
M	UN	05	M.UN.02.05	MC	2	1	52		0	0
M	UN	06	M.UN.02.06	MC	2	1	53		0	0
M	PS	10	M.PS.02.10	MC	2	1	54		0	0
M	TE	04	M.TE.02.04	MC	2	4	55	55	0	0
N	ME	21	N.ME.02.21	MC	2	4	56	56	0	0
G	GS	04	G.GS.02.04	MC	2	5	57		0	0
N	MR	13	N.MR.02.13	MC	1	1	26		0	0
N	FL	10	N.FL.02.10	MC	1	1	27		0	0
N	MR	07	N.MR.02.07	MC	1	1	28		0	0
N	MR	09	N.MR.02.09	MC	1	1	29		0	0
M	UN	05	M.UN.02.05	MC	2	1	52		0	0
G	GS	01	G.GS.02.01	MC	2	1	53		0	0
M	PS	02	M.PS.02.02	MC	2	1	54		0	0
D	RE	02	D.RE.02.02	MC	2	4	55	49	0	0
N	ME	21	N.ME.02.21	MC	2	4	56	56	0	0
M	TE	04	M.TE.02.04	MC	2	4	57		0	0
N	ME	20	N.ME.02.20	MC	1	1	26		0	0
N	ME	03	N.ME.02.03	MC	1	1	27		0	0
N	ME	18	N.ME.02.18	MC	1	1	28		0	0
N	ME	01	N.ME.02.01	MC	1	5	29		0	0
M	TE	11	M.TE.02.11	MC	2	1	52		0	0
M	UN	01	M.UN.02.01	MC	2	1	53		0	0
G	SR	05	G.SR.02.05	MC	2	1	54		0	0
M	PS	08	M.PS.02.08	MC	2	4	55	54	0	0
N	ME	22	N.ME.02.22	MC	2	4	56	57	0	0
M	PS	08	M.PS.02.08	MC	2	4	57		0	0
N	ME	02	N.ME.02.02	MC	1	1	26		0	0
N	MR	14	N.MR.02.14	MC	1	1	27		0	0
N	FL	11	N.FL.02.11	MC	1	1	28		0	0
N	MR	08	N.MR.02.08	MC	1	5	29		0	0
M	UN	06	M.UN.02.06	MC	2	1	52		0	0
M	UN	07	M.UN.02.07	MC	2	1	53		0	0

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
M	PS	10	M.PS.02.10	MC	2	1	54		0	0
D	RE	02	D.RE.02.02	MC	2	4	55	49	0	0
G	TR	06	G.TR.02.06	MC	2	4	56	53	0	0
G	GS	02	G.GS.02.02	MC	2	4	57		0	0
N	MR	14	N.MR.02.14	MC	1	1	26		0	0
N	FL	10	N.FL.02.10	MC	1	1	27		0	0
N	MR	07	N.MR.02.07	MC	1	1	28		0	0
N	MR	08	N.MR.02.08	MC	1	5	29		0	0
M	TE	11	M.TE.02.11	MC	2	1	52		0	0
M	PS	02	M.PS.02.02	MC	2	1	53		0	0
G	SR	05	G.SR.02.05	MC	2	1	54		0	0
M	PS	08	M.PS.02.08	MC	2	4	55	54	0	0
G	TR	06	G.TR.02.06	MC	2	4	56	53	0	0
G	TR	06	G.TR.02.06	MC	2	4	57		0	0
N	ME	20	N.ME.02.20	MC	1	1	26		0	0
N	ME	03	N.ME.02.03	MC	1	1	27		0	0
N	ME	19	N.ME.02.19	MC	1	1	28		0	0
N	MR	16	N.MR.02.16	MC	1	5	29		0	0
M	UN	01	M.UN.02.01	MC	2	1	52		0	0
G	GS	01	G.GS.02.01	MC	2	1	53		0	0
M	UN	05	M.UN.02.05	MC	2	1	54		0	0
G	LO	07	G.LO.02.07	MC	2	4	55	52	0	0
G	GS	02	G.GS.02.02	MC	2	4	56	51	0	0
G	LO	07	G.LO.02.07	MC	2	4	57		0	0
N	MR	07	N.MR.02.07	MC	1	1	26		0	0
N	ME	18	N.ME.02.18	MC	1	1	27		0	0
N	MR	09	N.MR.02.09	MC	1	1	28		0	0
N	ME	21	N.ME.02.21	MC	1	4	29		0	0
M	UN	06	M.UN.02.06	MC	2	1	52		0	0
M	UN	07	M.UN.02.07	MC	2	1	53		0	0
N	FL	06	N.FL.02.06	MC	2	5	54		0	0
G	LO	07	G.LO.02.07	MC	2	4	55	52	0	0

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
D	RE	03	D.RE.02.03	MC	2	4	56	50	0	0
D	RE	01	D.RE.02.01	MC	2	4	57		0	0
N	FL	10	N.FL.02.10	MC	1	1	26		0	0
N	FL	11	N.FL.02.11	MC	1	1	27		0	0
N	ME	19	N.ME.02.19	MC	1	1	28		0	0
N	ME	22	N.ME.02.22	MC	1	4	29		0	0
M	TE	11	M.TE.02.11	MC	2	1	52		0	0
M	PS	02	M.PS.02.02	MC	2	1	53		0	0
N	FL	06	N.FL.02.06	MC	2	5	54		0	0
M	TE	04	M.TE.02.04	MC	2	4	55	55	0	0
D	RE	03	D.RE.02.03	MC	2	4	56	50	0	0
D	RE	02	D.RE.02.02	MC	2	4	57		0	0
N	MR	13	N.MR.02.13	MC	1	1	26		0	0
N	ME	03	N.ME.02.03	MC	1	1	27		0	0
N	ME	02	N.ME.02.02	MC	1	1	28		0	0
N	MR	15	N.MR.02.15	MC	1	4	29		0	0
G	GS	01	G.GS.02.01	MC	2	1	52		0	0
G	SR	05	G.SR.02.05	MC	2	1	53		0	0
M	UN	03	M.UN.02.03	MC	2	5	54		0	0
D	RE	01	D.RE.02.01	MC	2	4	55	48	0	0
G	GS	02	G.GS.02.02	MC	2	4	56	51	0	0
D	RE	03	D.RE.02.03	MC	2	4	57		0	0

Grade 4

STRAND	DOMAIN	BENCHKM	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
N	ME	01	N.ME.03.01	MC	1	1	1	1	1	1
N	ME	01	N.ME.03.01	MC	1	1	2	2	1	1
N	ME	02	N.ME.03.02	MC	1	1	3	3	1	1
N	ME	02	N.ME.03.02	MC	1	1	4	4	1	1
N	FL	06	N.FL.03.06	MC	1	1	5	5	1	1
N	FL	06	N.FL.03.06	MC	1	1	6	6	1	1
N	FL	07	N.FL.03.07	MC	1	1	7	7	1	1
N	FL	07	N.FL.03.07	MC	1	1	8	8	1	1
N	MR	09	N.MR.03.09	MC	1	1	9	9	1	1
N	MR	09	N.MR.03.09	MC	1	1	10	10	1	1
N	MR	10	N.MR.03.10	MC	1	1	11	11	1	1
N	MR	10	N.MR.03.10	MC	1	1	12	12	1	1
N	FL	11	N.FL.03.11	MC	1	1	13	13	1	1
N	FL	11	N.FL.03.11	MC	1	1	14	14	1	1
N	ME	16	N.ME.03.16	MC	1	1	15	15	1	1
N	ME	16	N.ME.03.16	MC	1	1	16	16	1	1
M	UN	04	M.UN.03.04	MC	1	1	17	17	1	1
M	UN	04	M.UN.03.04	MC	1	1	18	18	1	1
G	SR	05	G.SR.03.05	MC	1	1	19	19	1	1
G	SR	05	G.SR.03.05	MC	1	1	20	20	1	1
G	GS	06	G.GS.03.06	MC	1	1	21	21	1	1
G	GS	06	G.GS.03.06	MC	1	1	22	22	1	1
D	RE	02	D.RE.03.02	MC	1	1	23	23	1	1
D	RE	02	D.RE.03.02	MC	1	1	24	24	1	1
N	ME	03	N.ME.03.03	MC	1	5	25	25	1	1
N	ME	17	N.ME.03.17	MC	1	5	26	26	1	1
N	MR	20	N.MR.03.20	MC	1	5	27	27	1	1
M	UN	07	M.UN.03.07	MC	1	5	28	28	1	1
G	GS	01	G.GS.03.01	MC	1	5	29	29	1	1
G	GS	04	G.GS.03.04	MC	1	5	30	30	1	1

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
D	RE	01	D.RE.03.01	MC	1	5	31	31	1	1
N	MR	15	N.MR.03.15	MC	2	1	38	32	1	1
N	MR	15	N.MR.03.15	MC	2	1	39	33	1	1
N	ME	21	N.ME.03.21	MC	2	1	40	34	1	1
N	ME	21	N.ME.03.21	MC	2	1	41	35	1	1
M	UN	01	M.UN.03.01	MC	2	1	42	36	1	1
M	UN	01	M.UN.03.01	MC	2	1	43	37	1	1
M	UN	02	M.UN.03.02	MC	2	1	44	38	1	1
M	UN	02	M.UN.03.02	MC	2	1	45	39	1	1
M	UN	03	M.UN.03.03	MC	2	1	46	40	1	1
M	UN	03	M.UN.03.03	MC	2	1	47	41	1	1
M	UN	05	M.UN.03.05	MC	2	1	48	42	1	1
M	UN	05	M.UN.03.05	MC	2	1	49	43	1	1
M	PS	11	M.PS.03.11	MC	2	1	50	44	1	1
M	PS	11	M.PS.03.11	MC	2	1	51	45	1	1
D	RE	03	D.RE.03.03	MC	2	1	52	46	1	1
D	RE	03	D.RE.03.03	MC	2	1	53	47	1	1
M	PS	13	M.PS.03.13	MC	2	5	54	48	1	1
N	ME	01	N.ME.03.01	MC	1	1	32		0	0
N	FL	06	N.FL.03.06	MC	1	1	33		0	0
N	MR	10	N.MR.03.10	MC	1	1	34		0	0
N	ME	16	N.ME.03.16	MC	1	1	35		0	0
G	GS	06	G.GS.03.06	MC	1	1	36		0	0
M	UN	07	M.UN.03.07	MC	1	5	37		0	0
N	ME	21	N.ME.03.21	MC	2	1	55		0	0
M	UN	03	M.UN.03.03	MC	2	1	56		0	0
D	RE	03	D.RE.03.03	MC	2	1	57		0	0
N	MR	12	N.MR.03.12	MC	2	4	58	53	0	0
N	ME	01	N.ME.03.01	MC	1	1	32		0	0
N	FL	06	N.FL.03.06	MC	1	1	33		0	0
N	MR	10	N.MR.03.10	MC	1	1	34		0	0
N	ME	16	N.ME.03.16	MC	1	1	35		0	0

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
D	RE	02	D.RE.03.02	MC	1	1	36		0	0
M	UN	08	M.UN.03.08	MC	1	5	37		0	0
N	ME	21	N.ME.03.21	MC	2	1	55		0	0
M	UN	03	M.UN.03.03	MC	2	1	56		0	0
M	PS	12	M.PS.03.12	MC	2	5	57		0	0
N	MR	12	N.MR.03.12	MC	2	4	58	53	0	0
N	ME	01	N.ME.03.01	MC	1	1	32		0	0
N	FL	07	N.FL.03.07	MC	1	1	33		0	0
N	MR	10	N.MR.03.10	MC	1	1	34		0	0
M	UN	04	M.UN.03.04	MC	1	1	35		0	0
D	RE	02	D.RE.03.02	MC	1	1	36		0	0
G	GS	01	G.GS.03.01	MC	1	5	37		0	0
N	ME	21	N.ME.03.21	MC	2	1	55		0	0
M	UN	05	M.UN.03.05	MC	2	1	56		0	0
M	PS	12	M.PS.03.12	MC	2	5	57		0	0
N	ME	18	N.ME.03.18	MC	2	4	58	52	0	0
N	ME	01	N.ME.03.01	MC	1	1	32		0	0
N	FL	07	N.FL.03.07	MC	1	1	33		0	0
N	FL	11	N.FL.03.11	MC	1	1	34		0	0
M	UN	04	M.UN.03.04	MC	1	1	35		0	0
D	RE	02	D.RE.03.02	MC	1	1	36		0	0
G	GS	03	G.GS.03.03	MC	1	5	37		0	0
M	UN	01	M.UN.03.01	MC	2	1	55		0	0
M	UN	05	M.UN.03.05	MC	2	1	56		0	0
M	PS	13	M.PS.03.13	MC	2	5	57		0	0
N	MR	14	N.MR.03.14	MC	2	4	58	54	0	0
N	ME	02	N.ME.03.02	MC	1	1	32		0	0
N	FL	07	N.FL.03.07	MC	1	1	33		0	0
N	FL	11	N.FL.03.11	MC	1	1	34		0	0
M	UN	04	M.UN.03.04	MC	1	1	35		0	0
N	ME	03	N.ME.03.03	MC	1	5	36		0	0
G	GS	04	G.GS.03.04	MC	1	5	37		0	0

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
M	UN	01	M.UN.03.01	MC	2	1	55		0	0
M	UN	05	M.UN.03.05	MC	2	1	56		0	0
M	PS	13	M.PS.03.13	MC	2	5	57		0	0
N	MR	14	N.MR.03.14	MC	2	4	58	54	0	0
N	ME	02	N.ME.03.02	MC	1	1	32		0	0
N	MR	09	N.MR.03.09	MC	1	1	33		0	0
N	FL	11	N.FL.03.11	MC	1	1	34		0	0
G	SR	05	G.SR.03.05	MC	1	1	35		0	0
N	ME	05	N.ME.03.05	MC	1	5	36		0	0
G	SR	07	G.SR.03.07	MC	1	5	37		0	0
M	UN	01	M.UN.03.01	MC	2	1	55		0	0
M	PS	11	M.PS.03.11	MC	2	1	56		0	0
N	MR	12	N.MR.03.12	MC	2	4	57		0	0
M	TE	09	M.TE.03.09	MC	2	4	58	51	0	0
N	ME	02	N.ME.03.02	MC	1	1	32		0	0
N	FL	07	N.FL.03.07	MC	1	1	33		0	0
N	MR	15	N.MR.03.15	MC	1	1	34		0	0
G	SR	05	G.SR.03.05	MC	1	1	35		0	0
N	ME	17	N.ME.03.17	MC	1	5	36		0	0
D	RE	01	D.RE.03.01	MC	1	5	37		0	0
M	UN	02	M.UN.03.02	MC	2	1	55		0	0
M	PS	11	M.PS.03.11	MC	2	1	56		0	0
N	MR	14	N.MR.03.14	MC	2	4	57		0	0
M	TE	09	M.TE.03.09	MC	2	4	58	51	0	0
N	FL	06	N.FL.03.06	MC	1	1	32		0	0
N	MR	09	N.MR.03.09	MC	1	1	33		0	0
N	MR	15	N.MR.03.15	MC	1	1	34		0	0
G	SR	05	G.SR.03.05	MC	1	1	35		0	0
N	ME	19	N.ME.03.19	MC	1	5	36		0	0
N	ME	18	N.ME.03.18	MC	1	4	37		0	0
M	UN	02	M.UN.03.02	MC	2	1	55		0	0
M	PS	11	M.PS.03.11	MC	2	1	56		0	0

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
M	PS	10	M.PS.03.10	MC	2	4	57		0	0
G	GS	02	G.GS.03.02	MC	2	4	58	49	0	0
N	ME	02	N.ME.03.02	MC	1	1	32		0	0
N	MR	09	N.MR.03.09	MC	1	1	33		0	0
N	MR	15	N.MR.03.15	MC	1	1	34		0	0
G	GS	06	G.GS.03.06	MC	1	1	35		0	0
N	MR	20	N.MR.03.20	MC	1	5	36		0	0
G	GS	02	G.GS.03.02	MC	1	4	37		0	0
M	UN	02	M.UN.03.02	MC	2	1	55		0	0
D	RE	03	D.RE.03.03	MC	2	1	56		0	0
M	TE	09	M.TE.03.09	MC	2	4	57		0	0
M	PS	10	M.PS.03.10	MC	2	4	58	50	0	0
N	FL	06	N.FL.03.06	MC	1	1	32		0	0
N	MR	09	N.MR.03.09	MC	1	1	33		0	0
N	ME	16	N.ME.03.16	MC	1	1	34		0	0
G	GS	06	G.GS.03.06	MC	1	1	35		0	0
M	UN	06	M.UN.03.06	MC	1	5	36		0	0
M	UN	08	M.UN.03.08	MC	1	5	37		0	0
M	UN	03	M.UN.03.03	MC	2	1	55		0	0
D	RE	03	D.RE.03.03	MC	2	1	56		0	0
M	PS	10	M.PS.03.10	MC	2	4	57		0	0
M	PS	10	M.PS.03.10	MC	2	4	58	50	0	0

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STRAND	DOMAIN	BENCHKM	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
N	ME	05	N.ME.04.05	MC	1	1	1	1	1	1
N	ME	05	N.ME.04.05	MC	1	1	2	2	1	1
N	MR	07	N.MR.04.07	MC	1	1	3	3	1	1
N	MR	07	N.MR.04.07	MC	1	1	4	4	1	1
N	ME	09	N.ME.04.09	MC	1	1	5	5	1	1
N	ME	09	N.ME.04.09	MC	1	1	6	6	1	1
N	FL	11	N.FL.04.11	MC	1	1	7	7	1	1
N	FL	11	N.FL.04.11	MC	1	1	8	8	1	1
N	FL	12	N.FL.04.12	MC	1	1	9	9	1	1
N	FL	12	N.FL.04.12	MC	1	1	10	10	1	1
N	MR	19	N.MR.04.19	MC	1	1	11	11	1	1
N	MR	19	N.MR.04.19	MC	1	1	12	12	1	1
N	MR	22	N.MR.04.22	MC	1	1	13	13	1	1
N	MR	22	N.MR.04.22	MC	1	1	14	14	1	1
N	FL	35	N.FL.04.35	MC	1	1	15	15	1	1
N	FL	35	N.FL.04.35	MC	1	1	16	16	1	1
M	UN	01	M.UN.04.01	MC	1	1	17	17	1	1
M	UN	01	M.UN.04.01	MC	1	1	18	18	1	1
M	UN	03	M.UN.04.03	MC	1	1	19	19	1	1
M	UN	03	M.UN.04.03	MC	1	1	20	20	1	1
M	TE	06	M.TE.04.06	MC	1	1	21	21	1	1
M	TE	06	M.TE.04.06	MC	1	1	22	22	1	1
M	TE	07	M.TE.04.07	MC	1	1	23	23	1	1
M	TE	07	M.TE.04.07	MC	1	1	24	24	1	1
G	GS	02	G.GS.04.02	MC	1	1	25	25	1	1
G	GS	02	G.GS.04.02	MC	1	1	26	26	1	1
G	SR	03	G.SR.04.03	MC	1	1	27	27	1	1
G	SR	03	G.SR.04.03	MC	1	1	28	28	1	1
G	TR	05	G.TR.04.05	MC	1	1	29	29	1	1
G	TR	05	G.TR.04.05	MC	1	1	30	30	1	1

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
N	ME	01	N.ME.04.01	MC	1	5	31	31	1	1
N	ME	03	N.ME.04.03	MC	1	5	32	32	1	1
N	MR	06	N.MR.04.06	MC	1	5	33	33	1	1
N	FL	10	N.FL.04.10	MC	1	5	34	34	1	1
N	ME	17	N.ME.04.17	MC	1	5	35	35	1	1
N	ME	20	N.ME.04.20	MC	1	5	36	36	1	1
N	MR	23	N.MR.04.23	MC	1	5	37	37	1	1
N	MR	26	N.MR.04.26	MC	1	5	38	38	1	1
M	TE	10	M.TE.04.10	MC	1	5	39	39	1	1
G	TR	04	G.TR.04.04	MC	1	5	40	40	1	1
N	ME	15	N.ME.04.15	MC	2	1	49	41	1	1
N	ME	15	N.ME.04.15	MC	2	1	50	42	1	1
M	PS	02	M.PS.04.02	MC	2	1	51	43	1	1
M	PS	02	M.PS.04.02	MC	2	1	52	44	1	1
D	RE	02	D.RE.04.02	MC	2	1	53	45	1	1
D	RE	02	D.RE.04.02	MC	2	1	54	46	1	1
D	RE	03	D.RE.04.03	MC	2	1	55	47	1	1
D	RE	03	D.RE.04.03	MC	2	1	56	48	1	1
M	TE	05	M.TE.04.05	MC	2	5	57	49	1	1
N	ME	05	N.ME.04.05	MC	1	1	41		0	0
N	FL	11	N.FL.04.11	MC	1	1	42		0	0
N	FL	35	N.FL.04.35	MC	1	1	43		0	0
M	TE	07	M.TE.04.07	MC	1	1	44		0	0
G	TR	05	G.TR.04.05	MC	1	1	45		0	0
N	ME	18	N.ME.04.18	MC	1	5	46		0	0
N	ME	24	N.ME.04.24	MC	1	4	47	55	0	0
N	ME	24	N.ME.04.24	MC	1	4	48		0	0
N	FL	12	N.FL.04.12	MC	2	1	58		0	0
D	RE	02	D.RE.04.02	MC	2	1	59		0	0
N	MR	13	N.MR.04.13	MC	2	4	60	56	0	0
N	MR	13	N.MR.04.13	MC	2	4	61		0	0
N	ME	05	N.ME.04.05	MC	1	1	41		0	0

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
M	TE	07	M.TE.04.07	MC	1	1	42		0	0
M	UN	01	M.UN.04.01	MC	1	1	43		0	0
G	TR	05	G.TR.04.05	MC	1	1	44		0	0
N	FL	11	N.FL.04.11	MC	1	1	45		0	0
N	ME	20	N.ME.04.20	MC	1	5	46		0	0
N	ME	24	N.ME.04.24	MC	1	4	47	55	0	0
N	MR	27	N.MR.04.27	MC	1	4	48		0	0
N	FL	12	N.FL.04.12	MC	2	1	58		0	0
D	RE	02	D.RE.04.02	MC	2	1	59		0	0
N	MR	13	N.MR.04.13	MC	2	4	60	56	0	0
N	MR	13	N.MR.04.13	MC	2	4	61		0	0
N	ME	05	N.ME.04.05	MC	1	1	41		0	0
N	MR	19	N.MR.04.19	MC	1	1	42		0	0
M	UN	01	M.UN.04.01	MC	1	1	43		0	0
M	TE	07	M.TE.04.07	MC	1	1	44		0	0
N	ME	01	N.ME.04.01	MC	1	5	45		0	0
N	MR	23	N.MR.04.23	MC	1	5	46		0	0
N	MR	29	N.MR.04.29	MC	1	4	47	59	0	0
N	MR	28	N.MR.04.28	MC	1	4	48		0	0
N	FL	12	N.FL.04.12	MC	2	1	58		0	0
D	RE	03	D.RE.04.03	MC	2	1	59		0	0
N	MR	27	N.MR.04.27	MC	2	4	60	57	0	0
N	ME	16	N.ME.04.16	MC	2	4	61		0	0
N	MR	07	N.MR.04.07	MC	1	1	41		0	0
N	MR	19	N.MR.04.19	MC	1	1	42		0	0
M	UN	01	M.UN.04.01	MC	1	1	43		0	0
G	GS	02	G.GS.04.02	MC	1	1	44		0	0
N	ME	02	N.ME.04.02	MC	1	5	45		0	0
N	MR	25	N.MR.04.25	MC	1	5	46		0	0
N	MR	28	N.MR.04.28	MC	1	4	47	58	0	0
N	MR	29	N.MR.04.29	MC	1	4	48		0	0
N	ME	15	N.ME.04.15	MC	2	1	58		0	0

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
D	RE	03	D.RE.04.03	MC	2	1	59		0	0
N	ME	16	N.ME.04.16	MC	2	4	60	54	0	0
N	ME	16	N.ME.04.16	MC	2	4	61		0	0
N	MR	07	N.MR.04.07	MC	1	1	41		0	0
N	MR	19	N.MR.04.19	MC	1	1	42		0	0
M	UN	03	M.UN.04.03	MC	1	1	43		0	0
G	GS	02	G.GS.04.02	MC	1	1	44		0	0
N	ME	03	N.ME.04.03	MC	1	5	45		0	0
N	MR	30	N.MR.04.30	MC	1	4	46		0	0
N	MR	30	N.MR.04.30	MC	1	4	47	60	0	0
N	MR	26	N.MR.04.26	MC	1	5	48		0	0
N	ME	15	N.ME.04.15	MC	2	1	58		0	0
D	RE	03	D.RE.04.03	MC	2	1	59		0	0
N	ME	16	N.ME.04.16	MC	2	4	60	54	0	0
N	MR	31	N.MR.04.31	MC	2	4	61		0	0
N	MR	07	N.MR.04.07	MC	1	1	41		0	0
N	MR	22	N.MR.04.22	MC	1	1	42		0	0
M	UN	03	M.UN.04.03	MC	1	1	43		0	0
G	GS	02	G.GS.04.02	MC	1	1	44		0	0
N	ME	04	N.ME.04.04	MC	1	5	45		0	0
N	FL	34	N.FL.04.34	MC	1	5	46		0	0
N	MR	30	N.MR.04.30	MC	1	4	47	60	0	0
N	FL	32	N.FL.04.32	MC	1	4	48		0	0
N	ME	15	N.ME.04.15	MC	2	1	58		0	0
N	MR	14	N.MR.04.14	MC	2	5	59		0	0
N	ME	16	N.ME.04.16	MC	2	4	60	54	0	0
N	MR	31	N.MR.04.31	MC	2	4	61		0	0
N	ME	09	N.ME.04.09	MC	1	1	41		0	0
N	MR	22	N.MR.04.22	MC	1	1	42		0	0
M	UN	03	M.UN.04.03	MC	1	1	43		0	0
G	SR	03	G.SR.04.03	MC	1	1	44		0	0
N	MR	06	N.MR.04.06	MC	1	5	45		0	0

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
M	TE	08	M.TE.04.08	MC	1	5	46		0	0
N	FL	32	N.FL.04.32	MC	1	4	47	52	0	0
N	FL	32	N.FL.04.32	MC	1	4	48		0	0
M	PS	02	M.PS.04.02	MC	2	1	58		0	0
N	MR	21	N.MR.04.21	MC	2	5	59		0	0
N	MR	31	N.MR.04.31	MC	2	4	60	61	0	0
N	MR	25	N.MR.04.25	MC	2	5	61		0	0
N	ME	09	N.ME.04.09	MC	1	1	41		0	0
N	MR	22	N.MR.04.22	MC	1	1	42		0	0
M	TE	06	M.TE.04.06	MC	1	1	43		0	0
G	SR	03	G.SR.04.03	MC	1	1	44		0	0
N	FL	08	N.FL.04.08	MC	1	5	45		0	0
M	TE	10	M.TE.04.10	MC	1	5	46		0	0
N	FL	32	N.FL.04.32	MC	1	4	47	52	0	0
N	FL	33	N.FL.04.33	MC	1	4	48		0	0
M	PS	02	M.PS.04.02	MC	2	1	58		0	0
M	TE	05	M.TE.04.05	MC	2	5	59		0	0
N	MR	31	N.MR.04.31	MC	2	4	60	61	0	0
M	PS	11	M.PS.04.11	MC	2	4	61		0	0
N	ME	09	N.ME.04.09	MC	1	1	41		0	0
N	FL	35	N.FL.04.35	MC	1	1	42		0	0
G	SR	03	G.SR.04.03	MC	1	1	43		0	0
M	TE	06	M.TE.04.06	MC	1	1	44		0	0
N	FL	10	N.FL.04.10	MC	1	5	45		0	0
G	GS	01	G.GS.04.01	MC	1	5	46		0	0
N	FL	33	N.FL.04.33	MC	1	4	47	53	0	0
M	PS	09	M.PS.04.09	MC	1	4	48		0	0
M	PS	11	M.PS.04.11	MC	2	4	58		0	0
D	RE	01	D.RE.04.01	MC	2	5	59		0	0
M	PS	11	M.PS.04.11	MC	2	4	60	51	0	0
M	PS	02	M.PS.04.02	MC	2	1	61		0	0
N	FL	11	N.FL.04.11	MC	1	1	41		0	0

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
N	FL	35	N.FL.04.35	MC	1	1	42		0	0
M	TE	06	M.TE.04.06	MC	1	1	43		0	0
G	TR	05	G.TR.04.05	MC	1	1	44		0	0
N	ME	17	N.ME.04.17	MC	1	5	45		0	0
G	TR	04	G.TR.04.04	MC	1	5	46		0	0
M	PS	09	M.PS.04.09	MC	1	4	47	50	0	0
M	PS	09	M.PS.04.09	MC	1	4	48		0	0
D	RE	02	D.RE.04.02	MC	2	1	58		0	0
D	RE	01	D.RE.04.01	MC	2	5	59		0	0
M	PS	11	M.PS.04.11	MC	2	4	60	51	0	0
N	MR	30	N.MR.04.30	MC	2	4	61		0	0

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STRAND	DOMAIN	BENCHKM	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
N	MR	01	N.MR.05.01	MC	1	1	1	1	1	1
N	MR	01	N.MR.05.01	MC	1	1	2	2	1	1
N	MR	02	N.MR.05.02	MC	1	1	3	3	1	1
N	MR	02	N.MR.05.02	MC	1	1	4	4	1	1
N	FL	04	N.FL.05.04	MC	1	1	5	5	1	1
N	FL	04	N.FL.05.04	MC	1	1	6	6	1	1
N	FL	06	N.FL.05.06	MC	1	1	7	7	1	1
N	FL	06	N.FL.05.06	MC	1	1	8	8	1	1
N	ME	08	N.ME.05.08	MC	1	1	9	9	1	1
N	ME	08	N.ME.05.08	MC	1	1	10	10	1	1
N	FL	18	N.FL.05.18	MC	1	1	11	11	1	1
N	FL	18	N.FL.05.18	MC	1	1	12	12	1	1
M	UN	04	M.UN.05.04	MC	1	1	13	13	1	1
M	UN	04	M.UN.05.04	MC	1	1	14	14	1	1
M	PS	05	M.PS.05.05	MC	1	1	15	15	1	1
M	PS	05	M.PS.05.05	MC	1	1	16	16	1	1
N	MR	03	N.MR.05.03	MC	1	5	17	17	1	1
N	MR	15	N.MR.05.15	MC	1	5	18	18	1	1
N	MR	17	N.MR.05.17	MC	1	5	19	19	1	1
M	UN	03	M.UN.05.03	MC	1	5	21	20	1	1
N	FL	05	N.FL.05.05	MC	2	1	25	21	1	1
N	FL	05	N.FL.05.05	MC	2	1	26	22	1	1
N	ME	09	N.ME.05.09	MC	2	1	27	23	1	1
N	ME	09	N.ME.05.09	MC	2	1	28	24	1	1
N	FL	20	N.FL.05.20	MC	2	1	29	25	1	1
N	FL	20	N.FL.05.20	MC	2	1	30	26	1	1
N	MR	22	N.MR.05.22	MC	2	1	31	27	1	1
N	MR	22	N.MR.05.22	MC	2	1	32	28	1	1
M	TE	06	M.TE.05.06	MC	2	1	33	29	1	1
M	TE	06	M.TE.05.06	MC	2	1	34	30	1	1

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
M	TE	07	M.TE.05.07	MC	2	1	35	31	1	1
M	TE	07	M.TE.05.07	MC	2	1	36	32	1	1
G	GS	02	G.GS.05.02	MC	2	1	37	33	1	1
G	GS	02	G.GS.05.02	MC	2	1	38	34	1	1
G	GS	05	G.GS.05.05	MC	2	1	39	35	1	1
G	GS	05	G.GS.05.05	MC	2	1	40	36	1	1
G	GS	06	G.GS.05.06	MC	2	1	41	37	1	1
G	GS	06	G.GS.05.06	MC	2	1	42	38	1	1
D	RE	01	D.RE.05.01	MC	2	1	43	39	1	1
D	RE	01	D.RE.05.01	MC	2	1	44	40	1	1
D	RE	02	D.RE.05.02	MC	2	1	45	41	1	1
D	RE	02	D.RE.05.02	MC	2	1	46	42	1	1
D	AN	03	D.AN.05.03	MC	2	1	47	43	1	1
D	AN	03	D.AN.05.03	MC	2	1	48	44	1	1
N	ME	23	N.ME.05.23	MC	2	5	49	45	1	1
M	UN	02	M.UN.05.02	MC	2	5	50	46	1	1
G	TR	01	G.TR.05.01	MC	2	5	51	47	1	1
N	MR	02	N.MR.05.02	MC	1	1	20		0	0
N	FL	06	N.FL.05.06	MC	1	1	22		0	0
N	MR	03	N.MR.05.03	MC	1	5	23		0	0
N	MR	21	N.MR.05.21	MC	1	4	24	61	0	0
N	FL	05	N.FL.05.05	MC	2	1	52		0	0
N	MR	22	N.MR.05.22	MC	2	1	53		0	0
M	TE	06	M.TE.05.06	MC	2	1	54		0	0
D	RE	01	D.RE.05.01	MC	2	1	55		0	0
G	TR	01	G.TR.05.01	MC	2	5	56		0	0
N	MR	07	N.MR.05.07	MC	2	4	57	58	0	0
D	RE	02	D.RE.05.02	CR	2	1	58		0	0
N	MR	02	N.MR.05.02	MC	1	1	20		0	0
N	FL	06	N.FL.05.06	MC	1	1	22		0	0
M	UN	03	M.UN.05.03	MC	1	5	23		0	0
N	MR	19	N.MR.05.19	MC	1	4	24	60	0	0

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
N	FL	05	N.FL.05.05	MC	2	1	52		0	0
N	MR	22	N.MR.05.22	MC	2	1	53		0	0
G	GS	06	G.GS.05.06	MC	2	1	54		0	0
D	RE	01	D.RE.05.01	MC	2	1	55		0	0
N	MR	07	N.MR.05.07	MC	2	4	56		0	0
M	UN	01	M.UN.05.01	MC	2	4	57	53	0	0
D	RE	02	D.RE.05.02	CR	2	1	58		0	0
N	MR	02	N.MR.05.02	MC	1	1	20		0	0
M	PS	05	M.PS.05.05	MC	1	1	22		0	0
M	UN	02	M.UN.05.02	MC	1	5	23		0	0
N	MR	13	N.MR.05.13	MC	1	4	24	59	0	0
N	MR	22	N.MR.05.22	MC	2	1	52		0	0
N	FL	04	N.FL.05.04	MC	2	1	53		0	0
G	GS	06	G.GS.05.06	MC	2	1	54		0	0
D	RE	01	D.RE.05.01	MC	2	1	55		0	0
M	UN	01	M.UN.05.01	MC	2	4	56		0	0
M	PS	10	M.PS.05.10	MC	2	4	57	52	0	0
D	RE	02	D.RE.05.02	CR	2	1	58		0	0
N	MR	01	N.MR.05.01	MC	1	1	20		0	0
M	PS	05	M.PS.05.05	MC	1	1	22		0	0
N	MR	21	N.MR.05.21	MC	1	4	23		0	0
N	MR	13	N.MR.05.13	MC	1	4	24	59	0	0
N	ME	09	N.ME.05.09	MC	2	1	52		0	0
N	FL	04	N.FL.05.04	MC	2	1	53		0	0
G	GS	06	G.GS.05.06	MC	2	1	54		0	0
D	RE	02	D.RE.05.02	MC	2	1	55		0	0
N	FL	18	N.FL.05.18	MC	2	1	56		0	0
G	GS	07	G.GS.05.07	MC	2	4	57	51	0	0
D	RE	02	D.RE.05.02	CR	2	1	58		0	0
N	MR	01	N.MR.05.01	MC	1	1	20		0	0
M	PS	05	M.PS.05.05	MC	1	1	22		0	0
N	MR	19	N.MR.05.19	MC	1	4	23		0	0

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
N	ME	12	N.ME.05.12	MC	1	4	24	57	0	0
N	ME	09	N.ME.05.09	MC	2	1	52		0	0
N	FL	04	N.FL.05.04	MC	2	1	53		0	0
G	GS	05	G.GS.05.05	MC	2	1	54		0	0
D	RE	02	D.RE.05.02	MC	2	1	55		0	0
D	AN	04	D.AN.05.04	MC	2	4	56		0	0
G	GS	04	G.GS.05.04	MC	2	4	57	50	0	0
D	RE	02	D.RE.05.02	CR	2	1	58		0	0
N	MR	01	N.MR.05.01	MC	1	1	20		0	0
M	UN	04	M.UN.05.04	MC	1	1	22		0	0
N	MR	13	N.MR.05.13	MC	1	4	23		0	0
N	ME	12	N.ME.05.12	MC	1	4	24	57	0	0
N	ME	09	N.ME.05.09	MC	2	1	52		0	0
M	TE	07	M.TE.05.07	MC	2	1	53		0	0
G	GS	05	G.GS.05.05	MC	2	1	54		0	0
D	RE	02	D.RE.05.02	MC	2	1	55		0	0
N	FL	18	N.FL.05.18	MC	2	1	56		0	0
M	UN	01	M.UN.05.01	MC	2	4	57	53	0	0
D	RE	02	D.RE.05.02	CR	2	1	58		0	0
M	UN	04	M.UN.05.04	MC	1	1	20		0	0
N	ME	08	N.ME.05.08	MC	1	1	22		0	0
N	ME	12	N.ME.05.12	MC	1	4	23		0	0
N	ME	11	N.ME.05.11	MC	1	4	24	56	0	0
N	FL	20	N.FL.05.20	MC	2	1	52		0	0
M	TE	07	M.TE.05.07	MC	2	1	53		0	0
G	GS	05	G.GS.05.05	MC	2	1	54		0	0
D	AN	03	D.AN.05.03	MC	2	1	55		0	0
M	PS	10	M.PS.05.10	MC	2	4	56		0	0
M	PS	10	M.PS.05.10	MC	2	4	57	52	0	0
D	RE	02	D.RE.05.02	CR	2	1	58		0	0
M	UN	04	M.UN.05.04	MC	1	1	20		0	0
N	ME	08	N.ME.05.08	MC	1	1	22		0	0

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
N	ME	11	N.ME.05.11	MC	1	4	23		0	0
N	ME	10	N.ME.05.10	MC	1	4	24	55	0	0
N	FL	20	N.FL.05.20	MC	2	1	52		0	0
M	TE	07	M.TE.05.07	MC	2	1	53		0	0
G	GS	02	G.GS.05.02	MC	2	1	54		0	0
D	AN	03	D.AN.05.03	MC	2	1	55		0	0
G	GS	07	G.GS.05.07	MC	2	4	56		0	0
G	GS	07	G.GS.05.07	MC	2	4	57	51	0	0
D	RE	02	D.RE.05.02	CR	2	1	58		0	0
N	ME	08	N.ME.05.08	MC	1	1	20		0	0
N	MR	17	N.MR.05.17	MC	1	5	22		0	0
N	ME	10	N.ME.05.10	MC	1	4	23		0	0
N	FL	14	N.FL.05.14	MC	1	4	24	54	0	0
N	FL	20	N.FL.05.20	MC	2	1	52		0	0
M	TE	06	M.TE.05.06	MC	2	1	53		0	0
G	GS	02	G.GS.05.02	MC	2	1	54		0	0
D	AN	03	D.AN.05.03	MC	2	1	55		0	0
G	GS	04	G.GS.05.04	MC	2	4	56		0	0
D	AN	04	D.AN.05.04	MC	2	4	57	48	0	0
D	RE	02	D.RE.05.02	CR	2	1	58		0	0
N	FL	06	N.FL.05.06	MC	1	1	20		0	0
N	MR	15	N.MR.05.15	MC	1	5	22		0	0
N	FL	14	N.FL.05.14	MC	1	4	23		0	0
N	FL	14	N.FL.05.14	MC	1	4	24	54	0	0
N	FL	05	N.FL.05.05	MC	2	1	52		0	0
M	TE	06	M.TE.05.06	MC	2	1	53		0	0
G	GS	02	G.GS.05.02	MC	2	1	54		0	0
N	ME	23	N.ME.05.23	MC	2	5	55		0	0
G	GS	03	G.GS.05.03	MC	2	4	56		0	0
G	GS	03	G.GS.05.03	MC	2	4	57	49	0	0
D	RE	02	D.RE.05.02	CR	2	1	58		0	0

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STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
N	MR	01	N.MR.06.01	MC	1	1	1	1	1	1
N	MR	01	N.MR.06.01	MC	1	1	2	2	1	1
N	FL	02	N.FL.06.02	MC	1	1	3	3	1	1
N	FL	02	N.FL.06.02	MC	1	1	4	4	1	1
N	FL	04	N.FL.06.04	MC	1	1	5	5	1	1
N	FL	04	N.FL.06.04	MC	1	1	6	6	1	1
N	FL	10	N.FL.06.10	MC	1	1	7	7	1	1
N	FL	10	N.FL.06.10	MC	1	1	8	8	1	1
N	ME	17	N.ME.06.17	MC	1	1	9	9	1	1
N	ME	17	N.ME.06.17	MC	1	1	10	10	1	1
G	GS	02	G.GS.06.02	MC	1	1	11	11	1	1
G	GS	02	G.GS.06.02	MC	1	1	12	12	1	1
G	TR	03	G.TR.06.03	MC	1	1	13	13	1	1
G	TR	03	G.TR.06.03	MC	1	1	14	14	1	1
A	RP	02	A.RP.06.02	MC	1	1	15	15	1	1
A	RP	02	A.RP.06.02	MC	1	1	16	16	1	1
A	FO	03	A.FO.06.03	MC	1	1	17	17	1	1
A	FO	03	A.FO.06.03	MC	1	1	18	18	1	1
A	FO	11	A.FO.06.11	MC	1	1	19	19	1	1
A	FO	11	A.FO.06.11	MC	1	1	20	20	1	1
A	FO	12	A.FO.06.12	MC	1	1	21	21	1	1
A	FO	12	A.FO.06.12	MC	1	1	22	22	1	1
A	FO	13	A.FO.06.13	MC	1	1	23	23	1	1
A	FO	13	A.FO.06.13	MC	1	1	24	24	1	1
N	FL	12	N.FL.06.12	MC	1	5	25	25	1	1
N	ME	18	N.ME.06.18	MC	1	5	26	26	1	1
N	ME	19	N.ME.06.19	MC	1	5	27	27	1	1
N	ME	20	N.ME.06.20	MC	1	5	28	28	1	1
G	TR	04	G.TR.06.04	MC	1	5	29	29	1	1
A	FO	04	A.FO.06.04	MC	1	5	30	30	1	1
N	ME	11	N.ME.06.11	MC	2	1	37	31	1	1

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
N	ME	11	N.ME.06.11	MC	2	1	38	32	1	1
N	MR	13	N.MR.06.13	MC	2	1	39	33	1	1
N	MR	13	N.MR.06.13	MC	2	1	40	34	1	1
N	FL	14	N.FL.06.14	MC	2	1	41	35	1	1
N	FL	14	N.FL.06.14	MC	2	1	42	36	1	1
N	FL	15	N.FL.06.15	MC	2	1	43	37	1	1
N	FL	15	N.FL.06.15	MC	2	1	44	38	1	1
M	UN	01	M.UN.06.01	MC	2	1	45	39	1	1
M	UN	01	M.UN.06.01	MC	2	1	46	40	1	1
D	PR	01	D.PR.06.01	MC	2	1	47	41	1	1
D	PR	01	D.PR.06.01	MC	2	1	48	42	1	1
A	PA	01	A.PA.06.01	MC	2	1	49	43	1	1
A	PA	01	A.PA.06.01	MC	2	1	50	44	1	1
A	FO	06	A.FO.06.06	MC	2	1	51	45	1	1
A	FO	06	A.FO.06.06	MC	2	1	52	46	1	1
N	ME	05	N.ME.06.05	MC	2	5	53	47	1	1
N	ME	06	N.ME.06.06	MC	2	5	54	48	1	1
D	PR	02	D.PR.06.02	MC	2	5	55	49	1	1
A	RP	08	A.RP.06.08	MC	2	5	56	50	1	1
N	MR	01	N.MR.06.01	MC	1	1	31		0	0
N	FL	10	N.FL.06.10	MC	1	1	32		0	0
G	TR	03	G.TR.06.03	MC	1	1	33		0	0
A	FO	12	A.FO.06.12	MC	1	1	34		0	0
G	TR	04	G.TR.06.04	MC	1	5	35		0	0
G	GS	01	G.GS.06.01	MC	1	4	36	56	0	0
N	ME	11	N.ME.06.11	MC	2	1	57		0	0
N	FL	15	N.FL.06.15	MC	2	1	58		0	0
A	PA	01	A.PA.06.01	MC	2	1	59		0	0
N	ME	05	N.ME.06.05	MC	2	5	60		0	0
N	ME	16	N.ME.06.16	MC	2	4	61	61	0	0
N	MR	01	N.MR.06.01	MC	1	1	31		0	0
N	FL	10	N.FL.06.10	MC	1	1	32		0	0

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
A	RP	02	A.RP.06.02	MC	1	1	33		0	0
A	FO	12	A.FO.06.12	MC	1	1	34		0	0
A	FO	04	A.FO.06.04	MC	1	5	35		0	0
M	PS	02	M.PS.06.02	MC	1	4	36	57	0	0
N	ME	11	N.ME.06.11	MC	2	1	57		0	0
N	FL	15	N.FL.06.15	MC	2	1	58		0	0
A	PA	01	A.PA.06.01	MC	2	1	59		0	0
N	ME	06	N.ME.06.06	MC	2	5	60		0	0
N	ME	16	N.ME.06.16	MC	2	4	61	61	0	0
N	MR	01	N.MR.06.01	MC	1	1	31		0	0
N	ME	17	N.ME.06.17	MC	1	1	32		0	0
A	RP	02	A.RP.06.02	MC	1	1	33		0	0
A	FO	12	A.FO.06.12	MC	1	1	34		0	0
N	MR	03	N.MR.06.03	MC	1	4	35		0	0
M	PS	02	M.PS.06.02	MC	1	4	36	57	0	0
N	ME	11	N.ME.06.11	MC	2	1	57		0	0
M	UN	01	M.UN.06.01	MC	2	1	58		0	0
A	FO	06	A.FO.06.06	MC	2	1	59		0	0
D	PR	02	D.PR.06.02	MC	2	5	60		0	0
M	TE	03	M.TE.06.03	MC	2	4	61	58	0	0
N	FL	02	N.FL.06.02	MC	1	1	31		0	0
N	ME	17	N.ME.06.17	MC	1	1	32		0	0
A	RP	02	A.RP.06.02	MC	1	1	33		0	0
A	FO	13	A.FO.06.13	MC	1	1	34		0	0
N	ME	07	N.ME.06.07	MC	1	4	35		0	0
N	FL	09	N.FL.06.09	MC	1	4	36	59	0	0
N	MR	13	N.MR.06.13	MC	2	1	57		0	0
M	UN	01	M.UN.06.01	MC	2	1	58		0	0
A	FO	06	A.FO.06.06	MC	2	1	59		0	0
A	RP	08	A.RP.06.08	MC	2	5	60		0	0
M	TE	03	M.TE.06.03	MC	2	4	61	58	0	0
N	FL	02	N.FL.06.02	MC	1	1	31		0	0

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
N	ME	17	N.ME.06.17	MC	1	1	32		0	0
A	FO	03	A.FO.06.03	MC	1	1	33		0	0
A	FO	13	A.FO.06.13	MC	1	1	34		0	0
N	MR	08	N.MR.06.08	MC	1	4	35		0	0
N	MR	08	N.MR.06.08	MC	1	4	36	63	0	0
N	MR	13	N.MR.06.13	MC	2	1	57		0	0
M	UN	01	M.UN.06.01	MC	2	1	58		0	0
A	FO	06	A.FO.06.06	MC	2	1	59		0	0
N	ME	16	N.ME.06.16	MC	2	4	60		0	0
A	PA	09	A.PA.06.09	MC	2	4	61	54	0	0
N	FL	02	N.FL.06.02	MC	1	1	31		0	0
G	GS	02	G.GS.06.02	MC	1	1	32		0	0
A	FO	03	A.FO.06.03	MC	1	1	33		0	0
A	FO	13	A.FO.06.13	MC	1	1	34		0	0
N	FL	09	N.FL.06.09	MC	1	4	35		0	0
N	ME	07	N.ME.06.07	MC	1	4	36	60	0	0
N	MR	13	N.MR.06.13	MC	2	1	57		0	0
A	FO	14	A.FO.06.14	MC	2	4	58		0	0
N	ME	05	N.ME.06.05	MC	2	5	59		0	0
N	ME	16	N.ME.06.16	MC	2	4	60		0	0
A	PA	09	A.PA.06.09	MC	2	4	61	54	0	0
N	FL	04	N.FL.06.04	MC	1	1	31		0	0
G	GS	02	G.GS.06.02	MC	1	1	32		0	0
A	FO	03	A.FO.06.03	MC	1	1	33		0	0
N	FL	12	N.FL.06.12	MC	1	5	34		0	0
M	PS	02	M.PS.06.02	MC	1	4	35		0	0
N	MR	03	N.MR.06.03	MC	1	4	36	62	0	0
N	FL	14	N.FL.06.14	MC	2	1	57		0	0
D	PR	01	D.PR.06.01	MC	2	1	58		0	0
N	ME	06	N.ME.06.06	MC	2	5	59		0	0
M	TE	03	M.TE.06.03	MC	2	4	60		0	0
A	RP	10	A.RP.06.10	MC	2	4	61	55	0	0

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
N	FL	04	N.FL.06.04	MC	1	1	31		0	0
G	GS	02	G.GS.06.02	MC	1	1	32		0	0
A	FO	11	A.FO.06.11	MC	1	1	33		0	0
N	ME	18	N.ME.06.18	MC	1	5	34		0	0
G	GS	01	G.GS.06.01	MC	1	4	35		0	0
N	MR	03	N.MR.06.03	MC	1	4	36	62	0	0
N	FL	14	N.FL.06.14	MC	2	1	57		0	0
D	PR	01	D.PR.06.01	MC	2	1	58		0	0
D	PR	02	D.PR.06.02	MC	2	5	59		0	0
A	PA	09	A.PA.06.09	MC	2	4	60		0	0
A	RP	10	A.RP.06.10	MC	2	4	61	55	0	0
N	FL	04	N.FL.06.04	MC	1	1	31		0	0
G	TR	03	G.TR.06.03	MC	1	1	32		0	0
A	FO	11	A.FO.06.11	MC	1	1	33		0	0
N	ME	19	N.ME.06.19	MC	1	5	34		0	0
A	FO	05	A.FO.06.05	MC	1	4	35		0	0
A	FO	07	A.FO.06.07	MC	1	4	36	52	0	0
N	FL	14	N.FL.06.14	MC	2	1	57		0	0
D	PR	01	D.PR.06.01	MC	2	1	58		0	0
M	TE	03	M.TE.06.03	MC	2	4	59		0	0
A	RP	10	A.RP.06.10	MC	2	4	60		0	0
A	FO	14	A.FO.06.14	MC	2	4	61	53	0	0
N	FL	10	N.FL.06.10	MC	1	1	31		0	0
G	TR	03	G.TR.06.03	MC	1	1	32		0	0
A	FO	11	A.FO.06.11	MC	1	1	33		0	0
N	ME	20	N.ME.06.20	MC	1	5	34		0	0
A	FO	07	A.FO.06.07	MC	1	4	35		0	0
A	FO	05	A.FO.06.05	MC	1	4	36	51	0	0
N	FL	15	N.FL.06.15	MC	2	1	57		0	0
A	PA	01	A.PA.06.01	MC	2	1	58		0	0
A	RP	08	A.RP.06.08	MC	2	5	59		0	0
A	FO	14	A.FO.06.14	MC	2	4	60		0	0

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
A	FO	14	A.FO.06.14	MC	2	4	61	53	0	0

Grade 8

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
N	FL	08	N.FL.07.08	MC	1	1	1	1	1	1
N	FL	08	N.FL.07.08	MC	1	1	2	2	1	1
N	FL	09	N.FL.07.09	MC	1	1	3	3	1	1
N	FL	09	N.FL.07.09	MC	1	1	4	4	1	1
G	SR	01	G.SR.07.01	MC	1	1	5	5	1	1
G	SR	01	G.SR.07.01	MC	1	1	6	6	1	1
A	RP	02	A.RP.07.02	MC	1	1	7	7	1	1
A	RP	02	A.RP.07.02	MC	1	1	8	8	1	1
A	PA	01	A.PA.07.01	MC	1	4	9	9	0	0
A	RP	10	A.RP.07.10	MC	1	4	10	10	0	0
N	FL	03	N.FL.07.03	MC	2	1	13	11	1	1
N	FL	03	N.FL.07.03	MC	2	1	14	12	1	1
N	MR	04	N.MR.07.04	MC	2	1	15	13	1	1
N	MR	04	N.MR.07.04	MC	2	1	16	14	1	1
N	FL	05	N.FL.07.05	MC	2	1	17	15	1	1
N	FL	05	N.FL.07.05	MC	2	1	18	16	1	1
N	MR	06	N.MR.07.06	MC	2	1	19	17	1	1
N	MR	06	N.MR.07.06	MC	2	1	20	18	1	1
N	FL	07	N.FL.07.07	MC	2	1	21	19	1	1
N	FL	07	N.FL.07.07	MC	2	1	22	20	1	1
G	TR	03	G.TR.07.03	MC	2	1	23	21	1	1
G	TR	03	G.TR.07.03	MC	2	1	24	22	1	1
G	TR	04	G.TR.07.04	MC	2	1	25	23	1	1
G	TR	04	G.TR.07.04	MC	2	1	26	24	1	1
G	TR	05	G.TR.07.05	MC	2	1	27	25	1	1
G	TR	05	G.TR.07.05	MC	2	1	28	26	1	1
G	TR	06	G.TR.07.06	MC	2	1	29	27	1	1
G	TR	06	G.TR.07.06	MC	2	1	30	28	1	1
D	RE	01	D.RE.07.01	MC	2	1	31	29	1	1
D	RE	01	D.RE.07.01	MC	2	1	32	30	1	1
D	AN	03	D.AN.07.03	MC	2	1	33	31	1	1
D	AN	03	D.AN.07.03	MC	2	1	34	32	1	1
D	AN	04	D.AN.07.04	MC	2	1	35	33	1	1
D	AN	04	D.AN.07.04	MC	2	1	36	34	1	1

STRAND	DOMAIN	BENCHKM	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
A	PA	04	A.PA.07.04	MC	2	1	37	35	1	1
A	PA	04	A.PA.07.04	MC	2	1	38	36	1	1
A	PA	11	A.PA.07.11	MC	2	1	39	37	1	1
A	PA	11	A.PA.07.11	MC	2	1	40	38	1	1
A	FO	12	A.FO.07.12	MC	2	1	41	39	1	1
A	FO	12	A.FO.07.12	MC	2	1	42	40	1	1
N	FL	08	N.FL.07.08	MC	1	1	11		0	0
A	RP	02	A.RP.07.02	MC	1	1	12		0	0
N	FL	03	N.FL.07.03	MC	2	1	43		0	0
N	MR	06	N.MR.07.06	MC	2	1	44		0	0
G	TR	05	G.TR.07.05	MC	2	1	45		0	0
D	AN	03	D.AN.07.03	MC	2	1	46		0	0
A	PA	11	A.PA.07.11	MC	2	1	47		0	0
N	MR	02	N.MR.07.02	MC	2	4	48	49	0	0
A	PA	06	A.PA.07.06	MC	2	4	49		0	0
A	RP	02	A.RP.07.02	CR	2	1	50		0	0
N	FL	08	N.FL.07.08	MC	1	1	11		0	0
A	RP	02	A.RP.07.02	MC	1	1	12		0	0
N	FL	03	N.FL.07.03	MC	2	1	43		0	0
N	MR	06	N.MR.07.06	MC	2	1	44		0	0
G	TR	05	G.TR.07.05	MC	2	1	45		0	0
D	AN	03	D.AN.07.03	MC	2	1	46		0	0
A	FO	12	A.FO.07.12	MC	2	1	47		0	0
D	AN	02	D.AN.07.02	MC	2	4	48	48	0	0
A	PA	07	A.PA.07.07	MC	2	4	49		0	0
A	RP	02	A.RP.07.02	CR	2	1	50		0	0
N	FL	08	N.FL.07.08	MC	1	1	11		0	0
A	PA	01	A.PA.07.01	MC	1	4	12		0	0
N	FL	03	N.FL.07.03	MC	2	1	43		0	0
N	FL	07	N.FL.07.07	MC	2	1	44		0	0
G	TR	05	G.TR.07.05	MC	2	1	45		0	0
D	AN	04	D.AN.07.04	MC	2	1	46		0	0
A	FO	12	A.FO.07.12	MC	2	1	47		0	0
D	AN	02	D.AN.07.02	MC	2	4	48	48	0	0
A	FO	08	A.FO.07.08	MC	2	4	49		0	0
A	FO	13	A.FO.07.13	CR	2	4	50		0	0
N	FL	09	N.FL.07.09	MC	1	1	11		0	0

STRAND	DOMAIN	BENCHKM	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
A	RP	10	A.RP.07.10	MC	1	4	12		0	0
N	MR	04	N.MR.07.04	MC	2	1	43		0	0
N	FL	07	N.FL.07.07	MC	2	1	44		0	0
G	TR	06	G.TR.07.06	MC	2	1	45		0	0
D	AN	04	D.AN.07.04	MC	2	1	46		0	0
A	FO	12	A.FO.07.12	MC	2	1	47		0	0
A	PA	03	A.PA.07.03	MC	2	4	48	43	0	0
A	PA	09	A.PA.07.09	MC	2	4	49		0	0
D	RE	01	D.RE.07.01	CR	2	1	50		0	0
N	FL	09	N.FL.07.09	MC	1	1	11		0	0
A	PA	01	A.PA.07.01	MC	1	4	12		0	0
N	MR	04	N.MR.07.04	MC	2	1	43		0	0
N	FL	07	N.FL.07.07	MC	2	1	44		0	0
G	TR	06	G.TR.07.06	MC	2	1	45		0	0
D	AN	04	D.AN.07.04	MC	2	1	46		0	0
N	MR	02	N.MR.07.02	MC	2	4	47		0	0
A	PA	05	A.PA.07.05	MC	2	4	48	44	0	0
A	FO	13	A.FO.07.13	MC	2	4	49		0	0
D	RE	01	D.RE.07.01	CR	2	1	50		0	0
N	FL	09	N.FL.07.09	MC	1	1	11		0	0
A	RP	10	A.RP.07.10	MC	1	4	12		0	0
N	MR	04	N.MR.07.04	MC	2	1	43		0	0
G	TR	03	G.TR.07.03	MC	2	1	44		0	0
G	TR	06	G.TR.07.06	MC	2	1	45		0	0
A	PA	04	A.PA.07.04	MC	2	1	46		0	0
N	MR	02	N.MR.07.02	MC	2	4	47		0	0
A	PA	06	A.PA.07.06	MC	2	4	48	45	0	0
A	PA	06	A.PA.07.06	MC	2	4	49		0	0
D	RE	01	D.RE.07.01	CR	2	1	50		0	0
G	SR	01	G.SR.07.01	MC	1	1	11		0	0
A	PA	01	A.PA.07.01	MC	1	4	12		0	0
N	FL	05	N.FL.07.05	MC	2	1	43		0	0
G	TR	03	G.TR.07.03	MC	2	1	44		0	0
D	RE	01	D.RE.07.01	MC	2	1	45		0	0
A	PA	04	A.PA.07.04	MC	2	1	46		0	0
D	AN	02	D.AN.07.02	MC	2	4	47		0	0
A	PA	07	A.PA.07.07	MC	2	4	48	46	0	0

STRAND	DOMAIN	BENCHKM	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
A	PA	07	A.PA.07.07	MC	2	4	49		0	0
D	RE	01	D.RE.07.01	CR	2	1	50		0	0
G	SR	01	G.SR.07.01	MC	1	1	11		0	0
A	RP	10	A.RP.07.10	MC	1	4	12		0	0
A	FO	08	A.FO.07.08	MC	2	4	43		0	0
G	TR	04	G.TR.07.04	MC	2	1	44		0	0
D	RE	01	D.RE.07.01	MC	2	1	45		0	0
A	PA	04	A.PA.07.04	MC	2	1	46		0	0
D	AN	02	D.AN.07.02	MC	2	4	47		0	0
A	FO	08	A.FO.07.08	MC	2	4	48	41	0	0
N	FL	05	N.FL.07.05	MC	2	1	49		0	0
D	RE	01	D.RE.07.01	CR	2	1	50		0	0
G	SR	01	G.SR.07.01	MC	1	1	11		0	0
A	PA	01	A.PA.07.01	MC	1	4	12		0	0
N	FL	05	N.FL.07.05	MC	2	1	43		0	0
G	TR	04	G.TR.07.04	MC	2	1	44		0	0
D	RE	01	D.RE.07.01	MC	2	1	45		0	0
A	PA	11	A.PA.07.11	MC	2	1	46		0	0
A	PA	03	A.PA.07.03	MC	2	4	47		0	0
A	PA	09	A.PA.07.09	MC	2	4	48	47	0	0
A	PA	09	A.PA.07.09	MC	2	4	49		0	0
D	AN	02	D.AN.07.02	CR	2	4	50		0	0
A	RP	02	A.RP.07.02	MC	1	1	11		0	0
A	RP	10	A.RP.07.10	MC	1	4	12		0	0
N	MR	06	N.MR.07.06	MC	2	1	43		0	0
G	TR	04	G.TR.07.04	MC	2	1	44		0	0
D	AN	03	D.AN.07.03	MC	2	1	45		0	0
A	PA	11	A.PA.07.11	MC	2	1	46		0	0
A	PA	05	A.PA.07.05	MC	2	4	47		0	0
A	FO	13	A.FO.07.13	MC	2	4	48	42	0	0
A	FO	13	A.FO.07.13	MC	2	4	49		0	0
D	AN	02	D.AN.07.02	CR	2	4	50		0	0

## MEAP Elementary School Science Test Design

### Parameters:

- The Elementary School Science Test has 47 operational items: 45 multiple choice (MC) and 2 constructed response (CR)
- Each MC item is worth 1 point; each CR item is worth 3 points. As such, the test has 51 points: 45 MC points and 6 CR points.
- Among the 43 operational items, an additional 8 FT items (7 MC and 1 CR) bring the test booklet item total to 55. The FT items are not scored.

### Limitations:

- Approximately 30% of the test points (within a range of 14 to 16 points) from Strand I
- Approximately 10% of the test points (within a range of 4 to 6 points) from Strand II
- Approximately 20% of the test points (within a range of 9 to 11 points) from each of Strands III, IV and V

### Rules:

- The test is divided into parts, Part 1 and Part 2. Each part spans content across the 5 strands for the elementary school section of the Michigan Science Curriculum Framework (Summer, 2000; [http://michigan.gov/documents/Updated\\_Science\\_Benchmarks\\_27030\\_7.pdf](http://michigan.gov/documents/Updated_Science_Benchmarks_27030_7.pdf)).
- Each part has approximately the same amount of work.
- Each part has 4 sections.
  - Part 1 is ordered in Life, Physical, Integrated, and Earth sections.
  - Part 2 is ordered in Earth, Physical, Integrated, and Life sections.
- Any Strand I or Strand II MC item, **not** included in the Integrated section, is placed in the subject section that matches the theme of the item's prompt. A Strand I or Strand II MC item that has a general science theme (a theme applicable to any or all subject areas) is placed in the Integrated section.
- All cluster item sets and free standing CR items are placed in the integrated sections.
- All items in the Life, Physical, and Earth sections are MC.
- The MC items within a section are placed in benchmark order (e.g., III.1.e.1, III.2.e.3, III.5.e.4) within a given part of the test.

- Any Strand I or Strand II MC items placed within a subject section are placed in order to the benchmark domain as exhibited in the theme of the item's prompt. For example, a Strand I MC item, having a prompt with a "Forces in Motion" theme, would be placed where IV.3.e.\* falls into the test's section.

Note: A cluster set consists of 3 MC items and 1 CR item. The CR item must align with either Strand I or Strand II. At least 2 of the 3 MC items must have different subject strand combinations (i.e., III and IV, or III and V, or IV and V)

### **Approval Process:**

The items selected for the elementary school science test must be approved by the MEAP science consultant prior to any test booklet preparation. This approval includes:

- any and all final test edits for both content, composition, and format
- review and approval of item benchmark codes and answer key
- the order of item placement in the test.

The approval process will review the selected test items as presented to the MEAP science consultant as a stack of pages having 1 item per page along with the item's metadata (e.g., benchmark, key, and statistics). For distinction, the FT items would use paper other than white. The order of the pages in the stack will reflect the proposed item order on the test.

## OEAA Elementary School Science MEAP Test Specifications

Strand	Multiple Choice Items	Constructed Response Items/points	Total items/points
I. Constructing New Scientific Information	Min. 2 Exp. 6 Max. 10	2 to 4 items for 6, 9, 12 pts (prefer 9 pts)	6 to 12 items for 14 to 16 pts
II. Reflecting on Scientific Information	Min. 0 Exp. 3 Max. 6	0 to 2 items for 3, 6 pts (prefer 3 pts)	2 to 4 items for 4 to 6 pts
III. Using Life Science	Min. 9 Exp. 10 Max. 11	0	9 to 11
IV. Using Physical Science	Min. 9 Exp. 10 Max. 11	0	9 to 11
V. Using Earth Science	Min. 9 Exp. 10 Max. 11	0	9 to 11
<b>Total points/items</b>	45 items	2 items/6 points	<b>45 MC items and 2 CR</b>

Field test items (10 forms; items matrixed through)	7	1	7 MC items and 1 CR
<b>Total operational and FT items/points</b>	52 items	3 items for 15 pts	<b>52 MC items and 3 CR</b>

## Elementary School Science Test Template – Part 1

Item #	Function	Type	Strand	Points	Section
1	Base	MC	I, II or III	1	Life
2	Base	MC	I, II or III	1	Life
3	FT	MC	I, II or III	N/A	Life
4	Base	MC	I, II or III	1	Life
5	Base	MC	I, II or III	1	Life
6	Base	MC	I, II or III	1	Life
7	Base	MC	I, II or IV	1	Physical
8	FT	MC	I, II or IV	N/A	Physical
9	Base	MC	I, II or IV	1	Physical
10	Base	MC	I, II or IV	1	Physical
11	Base	MC	I, II or IV	1	Physical
12	Base	MC	I, II or IV	1	Physical
13	FT	MC	I, II, III, IV, V	N/A	Integrated
14	Base	CR	I or II	3	Integrated
15	Base	CR	I or II	3	Integrated
16	Base	MC – cluster	I, II, III, IV, V	1	Integrated
17	Base	MC – cluster	I, II, III, IV, V	1	Integrated
18	Base	MC – cluster	I, II, III, IV, V	1	Integrated
19	Base	CR – cluster	I or II	3	Integrated
20	Base	MC	I, II or V	1	Earth
21	Base	MC	I, II or V	1	Earth
22	FT	MC	I, II or V	N/A	Earth
23	Base	MC	I, II or V	1	Earth
24	Base	MC	I, II or V	1	Earth
25	Base	MC	I, II or V	1	Earth

Note: It is best to populate the test layout with the cluster sets first, since these sets contribute to the Life, Physical and Earth benchmarks. The numbers of independent MC items needed to meet test specifications will determine the relative sizes of a subject section within parts of the test.

## Elementary School Science Test Template – Part 2

Item #	Function	Type	Strand	Points	Section
26	Base	MC	I, II or V	1	Earth
27	Base	MC	I, II or V	1	Earth
28	Base	MC	I, II or V	1	Earth
29	Base	MC	I, II or V	1	Earth
30	Base	MC	I, II or V	1	Earth
31	Base	MC	I, II or V	1	Earth
32	Base	MC	I, II or IV	1	Physical
33	Base	MC	I, II or IV	1	Physical
34	Base	MC	I, II or IV	1	Physical
35	Base	MC	I, II or IV	1	Physical
36	Base	MC	I, II or IV	1	Physical
37	Base	MC	I, II or IV	1	Physical
38	Base	MC – cluster	I, II, III, IV, V	1	Integrated
39	Base	MC – cluster	I, II, III, IV, V	1	Integrated
40	Base	MC – cluster	I, II, III, IV, V	1	Integrated
41	Base	CR – cluster	I or II	3	Integrated
42	FT	MC	I, II, III, IV, V	N/A	Integrated
43	FT	MC	I, II, III, IV, V	N/A	Integrated
44	FT	MC	I, II, III, IV, V	N/A	Integrated
45	FT	CR	I or II	N/A	Integrated
42	FT	MC – cluster	I, II, III, IV, V	N/A	Integrated
43	FT	MC – cluster	I, II, III, IV, V	N/A	Integrated
44	FT	MC – cluster	I, II, III, IV, V	N/A	Integrated
45	FT	CR – cluster	I or II	N/A	Integrated
46	Base	MC	I, II, or III	1	Life
47	Base	MC	I, II, or III	1	Life
48	Base	MC	I, II, or III	1	Life
49	Base	MC	I, II, or III	1	Life

50	Base	MC	I, II, or III	1	Life
51	Base	MC	I, II, or III	1	Life

Note, the FT section within the Integrated section of Part 2 will **either** present a cluster set of items or 3 independent MC items and a free standing CR.

## Elementary School Test Blueprint/Testmap

STRAND	DOMAIN	BENCHKM	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
L	5	1	L.5.e.1	MC	1	1	1	1	1	1
L	2	5	L.2.e.5	MC	1	1	2	2	1	1
L	5	4	L.5.e.4	MC	1	1	3	3	1	1
L	2	2	L.2.e.2	MC	1	1	4	4	1	1
L	4	2	L.4.e.2	MC	1	1	5	5	1	1
P	1	2	P.1.e.2	MC	1	1	6	6	1	1
P	1	3	P.1.e.3	MC	1	1	7	7	1	1
P	2	2	P.2.e.2	MC	1	1	8	8	1	1
P	1	1	P.1.e.1	MC	1	1	9	9	1	1
P	3	5	P.3.e.5	MC	1	1	10	10	1	1
C	1	2	C.1.e.2	MC	1	1	11	11	1	1
C	1	2	C.1.e.2	MC	1	1	12	12	1	1
R	1	1	R.1.e.1	MC	1	1	13	13	1	1
L	2	5	L.2.e.5	MC	1	1	18	14	1	1
E	2	3	E.2.e.3	MC	1	1	19	15	1	1
R	1	4	R.1.e.4	MC	1	1	20	16	1	1
C	1	2	C.1.e.2	CR	1	1	21	17	1	3
C	1	3	C.1.e.3	MC	1	1	22	18	1	1
C	1	6	C.1.e.6	MC	1	1	23	19	1	1
R	1	1	R.1.e.1	MC	1	1	24	20	1	1
E	1	6	E.1.e.6	MC	1	1	25	21	1	1
E	1	2	E.1.e.2	MC	1	1	26	22	1	1
E	3	3	E.3.e.3	MC	1	1	27	23	1	1
E	4	1	E.4.e.1	MC	1	1	28	24	1	1
E	1	5	E.1.e.5	MC	2	1	29	25	1	1
E	2	1	E.2.e.1	MC	2	1	30	26	1	1
E	3	2	E.3.e.2	MC	2	1	31	27	1	1
E	4	2	E.4.e.2	MC	2	1	32	28	1	1
E	4	1	E.4.e.1	MC	2	1	33	29	1	1

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
E	3	3	E.3.e.3	MC	2	1	34	30	1	1
P	1	2	P.1.e.2	MC	2	1	35	31	1	1
P	3	3	P.3.e.3	MC	2	1	36	32	1	1
P	3	3	P.3.e.3	MC	2	1	37	33	1	1
P	3	5	P.3.e.5	MC	2	1	38	34	1	1
P	4	4	P.4.e.4	MC	2	1	39	35	1	1
R	1	3	R.1.e.3	MC	2	1	40	36	1	1
C	1	2	C.1.e.2	MC	2	1	41	37	1	1
C	1	5	C.1.e.5	MC	2	1	42	38	1	1
C	1	6	C.1.e.6	MC	2	1	43	39	1	1
R	1	4	R.1.e.4	CR	2	1	48	40	1	3
C	1	2	C.1.e.2	MC	2	1	49	41	1	1
C	1	2	C.1.e.2	MC	2	1	50	42	1	1
L	5	4	L.5.e.4	MC	2	1	51	43	1	1
L	2	3	L.2.e.3	MC	2	1	52	44	1	1
L	4	1	L.4.e.1	MC	2	1	53	45	1	1
E	4	2	E.4.e.2	MC	2	1	54	46	1	1
L	5	4	L.5.e.4	MC	2	1	55	47	1	1
C	1	3	C.1.e.3	MC	1	1	14		0	0
L	2	3	L.2.e.3	MC	1	1	15		0	0
P	1	5	P.1.e.5	MC	1	1	16		0	0
E	1	4	E.1.e.4	MC	1	1	17		0	0
L	5	1	L.5.e.1	MC	2	1	44		0	0
C	1	2	C.1.e.2	MC	2	1	45		0	0
E	1	1	E.1.e.1	MC	2	1	46		0	0
C	1	2	C.1.e.2	CR	2	1	47		0	0
R	1	1	R.1.e.1	MC	1	1	14		0	0
C	1	1	C.1.e.1	MC	1	1	15		0	0
L	2	1	L.2.e.1	MC	1	1	16		0	0
P	1	1	P.1.e.1	MC	1	1	17		0	0
C	1	2	C.1.e.2	MC	2	1	44		0	0
P	1	2	P.1.e.2	MC	2	1	45		0	0

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
E	3	3	E.3.e.3	MC	2	1	46		0	0
C	1	2	C.1.e.2	CR	2	1	47		0	0
R	1	1	R.1.e.1	MC	1	1	14		0	0
L	5	3	L.5.e.3	MC	1	1	15		0	0
P	1	3	P.1.e.3	MC	1	1	16		0	0
E	1	2	E.1.e.2	MC	1	1	17		0	0
E	2	3	E.2.e.3	MC	2	1	44		0	0
L	5	3	L.5.e.3	MC	2	1	45		0	0
C	1	5	C.1.e.5	MC	2	1	46		0	0
C	1	6	C.1.e.6	CR	2	1	47		0	0
R	1	1	R.1.e.1	MC	1	1	14		0	0
C	1	3	C.1.e.3	MC	1	1	15		0	0
L	2	2	L.2.e.2	MC	1	1	16		0	0
E	1	1	E.1.e.1	MC	1	1	17		0	0
P	2	1	P.2.e.1	MC	2	1	44		0	0
E	1	5	E.1.e.5	MC	2	1	45		0	0
C	1	5	C.1.e.5	MC	2	1	46		0	0
C	1	6	C.1.e.6	CR	2	1	47		0	0
R	1	1	R.1.e.1	MC	1	1	14		0	0
L	2	2	L.2.e.2	MC	1	1	15		0	0
P	1	4	P.1.e.4	MC	1	1	16		0	0
E	1	3	E.1.e.3	MC	1	1	17		0	0
L	4	2	L.4.e.2	MC	2	1	44		0	0
L	4	2	L.4.e.2	MC	2	1	45		0	0
R	1	4	R.1.e.4	MC	2	1	46		0	0
R	1	1	R.1.e.1	CR	2	1	47		0	0
C	1	3	C.1.e.3	MC	1	1	14		0	0
L	5	3	L.5.e.3	MC	1	1	15		0	0
P	4	1	P.4.e.1	MC	1	1	16		0	0
P	4	3	P.4.e.3	MC	1	1	17		0	0
E	4	1	E.4.e.1	MC	2	1	44		0	0
E	2	3	E.2.e.3	MC	2	1	45		0	0

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
E	4	2	E.4.e.2	MC	2	1	46		0	0
C	1	2	C.1.e.2	CR	2	1	47		0	0
R	1	3	R.1.e.3	MC	1	1	14		0	0
C	1	4	C.1.e.4	MC	1	1	15		0	0
L	2	5	L.2.e.5	MC	1	1	16		0	0
E	2	2	E.2.e.2	MC	1	1	17		0	0
E	4	2	E.4.e.2	MC	2	1	44		0	0
R	1	4	R.1.e.4	MC	2	1	45		0	0
P	3	3	P.3.e.3	MC	2	1	46		0	0
R	1	5	R.1.e.5	CR	2	1	47		0	0
C	1	5	C.1.e.5	MC	1	1	14		0	0
L	4	1	L.4.e.1	MC	1	1	15		0	0
P	3	4	P.3.e.4	MC	1	1	16		0	0
E	3	2	E.3.e.2	MC	1	1	17		0	0
L	5	1	L.5.e.1	MC	2	1	44		0	0
P	3	5	P.3.e.5	MC	2	1	45		0	0
E	3	2	E.3.e.2	MC	2	1	46		0	0
R	1	5	R.1.e.5	CR	2	1	47		0	0
R	1	1	R.1.e.1	MC	1	1	14		0	0
C	1	3	C.1.e.3	MC	1	1	15		0	0
L	2	3	L.2.e.3	MC	1	1	16		0	0
P	2	2	P.2.e.2	MC	1	1	17		0	0
E	1	6	E.1.e.6	MC	2	1	44		0	0
R	1	1	R.1.e.1	MC	2	1	45		0	0
C	1	4	C.1.e.4	MC	2	1	46		0	0
C	1	3	C.1.e.3	CR	2	1	47		0	0
R	1	3	R.1.e.3	MC	1	1	14		0	0
C	1	4	C.1.e.4	MC	1	1	15		0	0
L	2	4	L.2.e.4	MC	1	1	16		0	0
P	2	2	P.2.e.2	MC	1	1	17		0	0
E	2	1	E.2.e.1	MC	2	1	44		0	0
L	4	1	L.4.e.1	MC	2	1	45		0	0

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
P	3	3	P.3.e.3	MC	2	1	46		0	0
C	1	3	C.1.e.3	CR	2	1	47		0	0

## MEAP Middle School Science Test Design

### Parameters:

- The Middle School Science Test has 54 operational items: 52 multiple choice (MC) and 2 constructed response (CR)
- Each MC item is worth 1 point; each CR item is worth 3 points. As such, the test has 58 points: 52 MC points and 6 CR points.
- Among the 54 operational items, an additional 8 FT items (7 MC and 1 CR) bring the test booklet item total to 62. The FT items are not scored.

### Limitations:

- Approximately 25% of the test points (within a range of 13 to 15 points) from Strand I
- Approximately 15% of the test points (within a range of 8 to 10 points) from Strand II
- Approximately 20% of the test points (within a range of 10 to 12 points) from each of Strands III, IV and V

### Rules:

- The test is divided into parts, Part 1 and Part 2. Each part spans content across the 5 strands for the middle school section of the Michigan Science Curriculum Framework (Summer, 2000; [http://michigan.gov/documents/Updated\\_Science\\_Benchmarks\\_27030\\_7.pdf](http://michigan.gov/documents/Updated_Science_Benchmarks_27030_7.pdf)).
- Each part has approximately the same amount of work.
- Each part has 4 sections.
  - Part 1 is ordered in Life, Physical, Integrated, and Earth sections.
  - Part 2 is ordered in Earth, Physical, Integrated, and Life sections.
- Any Strand I or Strand II MC item, **not** included in the Integrated section, is placed in the subject section that matches the theme of the item's prompt. A Strand I or Strand II MC item that has a general science theme (a theme applicable to any or all subject areas) is placed in the Integrated section.
- All cluster item sets and free standing CR items are placed in the integrated sections.
- All items in the Life, Physical, and Earth sections are MC.

- The MC items within a section are placed in benchmark order (e.g., III.1.m.1, III.2.m.3, III.5.m.4) within a given part of the test.
- Any Strand I or Strand II MC items placed within a subject section are placed in order to the benchmark domain as exhibited in the theme of the item’s prompt. For example, a Strand I MC item, having a prompt with a “Forces in Motion” theme, would be placed where IV.3.m.\* falls into the test’s section.

Note: A cluster set consists of 3 MC items and 1 CR item. The CR item must align with either Strand I or Strand II. At least 2 of the 3 MC items must have different subject strand combinations (i.e., III and IV, or III and V, or IV and V)

**Approval Process:**

The items selected for the middle school science test must be approved by the MEAP science consultant prior to any test booklet preparation. This approval includes:

- any and all final test edits for both content, composition, and format
- review and approval of item benchmark codes and answer key
- the order of item placement in the test.

The approval process will review the selected test items as presented to the MEAP science consultant as a stack of pages having 1 item per page along with the item’s metadata (e.g., benchmark, key, and statistics). For distinction, the FT items would use paper other than white. The order of the pages in the stack will reflect the proposed item order on the test.

**OEAA Middle School Science MEAP Test Specifications**

Strand	Multiple Choice Items	Constructed Response Items/points	Total items/points
I. Constructing New Scientific Information	Min. 1 Exp. 5 Max. 9	2 to 4 items for 6, 9, 12 pts (prefer 9 pts)	5 to 15 items for 13 to 15 pts

II. Reflecting on Scientific Information	Min. 2 Exp. 6 Max. 10	0 to 2 items for 3, 6 pts (prefer 3 pts)	2 to 4 items for 8 to 10 pts
III. Using Life Science	Min. 10 Exp. 11 Max. 12	0	10 to 12
IV. Using Physical Science	Min. 10 Exp. 11 Max. 12	0	10 to 12
V. Using Earth Science	Min. 10 Exp. 11 Max. 12	0	10 to 12
<b>Total points/items</b>	52 items	2 items/6 points	<b>52 MC items and 2 CR</b>
Field test items (12 forms; items matrixed through)	7	1	7 MC items and 1 CR
<b>Total operational and FT items/points</b>	59 items	3 items for 9 pts	<b>59 MC items and 3 CR</b>



## Middle School Science Test Template – Part 1

Item #	Function	Type	Strand	Points	Section
1	Base	MC	I, II or III	1	Life
2	Base	MC	I, II or III	1	Life
3	FT	MC	I, II or III	N/A	Life
4	Base	MC	I, II or III	1	Life
5	Base	MC	I, II or III	1	Life
6	Base	MC	I, II or III	1	Life
7	Base	MC	I, II or III	1	Life
8	Base	MC	I, II or IV	1	Physical
9	Base	MC	I, II or IV	1	Physical
10	Base	MC	I, II or IV	1	Physical
11	FT	MC	I, II or IV	N/A	Physical
12	Base	MC	I, II or IV	1	Physical
13	Base	MC	I, II or IV	1	Physical
14	Base	MC	I, II or IV	1	Physical
15	FT	MC	I, II, III, IV, V	N/A	Integrated
16	Base	CR	I or II	3	Integrated
17	Base	CR	I or II	3	Integrated
18	Base	MC – cluster	I, II, III, IV, V	1	Integrated
19	Base	MC – cluster	I, II, III, IV, V	1	Integrated
20	Base	MC – cluster	I, II, III, IV, V	1	Integrated
21	Base	CR – cluster	I or II	3	Integrated
22	Base	MC	I, II or V	1	Earth
23	Base	MC	I, II or V	1	Earth
24	Base	MC	I, II or V	1	Earth
25	Base	MC	I, II or V	1	Earth
26	Base	MC	I, II or V	1	Earth
27	FT	MC	I, II or V	N/A	Earth
28	Base	MC	I, II or V	1	Earth

Note: It is best to populate the test layout with the cluster sets first, since these sets contribute to the Life, Physical and Earth benchmarks. The numbers of independent MC items needed to meet test specifications will determine the relative sizes of a subject section within parts of the test.

### Middle School Science Test Template – Part 2

Item #	Function	Type	Strand	Points	Section
29	Base	MC	I, II or V	1	Earth
30	Base	MC	I, II or V	1	Earth
31	Base	MC	I, II or V	1	Earth
32	Base	MC	I, II or V	1	Earth
33	Base	MC	I, II or V	1	Earth
34	Base	MC	I, II or V	1	Earth
35	Base	MC	I, II or V	1	Earth
36	Base	MC	I, II or IV	1	Physical
37	Base	MC	I, II or IV	1	Physical
38	Base	MC	I, II or IV	1	Physical
39	Base	MC	I, II or IV	1	Physical
40	Base	MC	I, II or IV	1	Physical
41	Base	MC	I, II or IV	1	Physical
42	Base	MC	I, II or IV	1	Physical
43	Base	MC – cluster	I, II, III, IV, V	1	Integrated
44	Base	MC – cluster	I, II, III, IV, V	1	Integrated
45	Base	MC – cluster	I, II, III, IV, V	1	Integrated
46	Base	CR – cluster	I or II	3	Integrated
47	Base	MC	I, II, III, IV, V	1	Integrated
48	FT	MC	I, II, III, IV, V	N/A	Integrated
49	FT	MC	I, II, III, IV, V	N/A	Integrated
50	FT	MC	I, II, III, IV, V	N/A	Integrated
51	FT	CR	I or II	N/A	Integrated
48	FT	MC – cluster	I, II, III, IV, V	N/A	Integrated
49	FT	MC – cluster	I, II, III, IV, V	N/A	Integrated
50	FT	MC – cluster	I, II, III, IV, V	N/A	Integrated
51	FT	CR – cluster	I or II	N/A	Integrated
52	Base	MC	I, II, or III	1	Life

53	Base	MC	I, II, or III	1	Life
54	Base	MC	I, II, or III	1	Life
55	Base	MC	I, II, or III	1	Life
56	Base	MC	I, II, or III	1	Life
57	Base	MC	I, II, or III	1	Life
58	Base	MC	I, II, or III	1	Life

Note, the FT section within the Integrated section of Part 2 will **either** present a cluster set of items or 3 independent MC items and a free standing CR.

## Middel School Test Blueprint/Testmap

STRAND	DOMAIN	BENCHMK	GLCE	FORM	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
L	1	1	L.1.m.1	MC	1	1	1	1	1	1	L
L	1	2	L.1.m.2	MC	1	1	2	2	1	1	L
L	2	2	L.2.m.2	MC	1	1	3	3	1	1	L
C	1	1	C.1.m.1	MC	1	1	4	4	1	1	C
L	2	3	L.2.m.3	MC	1	1	5	5	1	1	L
L	2	3	L.2.m.3	MC	1	1	6	6	1	1	L
L	5	1	L.5.m.1	MC	1	1	7	7	1	1	L
C	1	4	C.1.m.4	MC	1	1	8	8	1	1	C
R	1	1	R.1.m.1	MC	1	1	9	9	1	1	R
E	1	2	E.1.m.2	MC	1	1	10	10	1	1	E
E	1	4	E.1.m.4	MC	1	1	11	11	1	1	E
E	1	5	E.1.m.5	MC	1	1	12	12	1	1	E
E	2	2	E.2.m.2	MC	1	1	13	13	1	1	E
E	4	2	E.4.m.2	MC	1	1	14	14	1	1	E
E	4	3	E.4.m.3	MC	1	1	15	15	1	1	E
E	4	3	E.4.m.3	MC	1	1	16	16	1	1	E
C	1	4	C.1.m.4	CR	1	1	17	17	1	3	C
C	1	4	C.1.m.4	MC	1	1	22	18	1	1	C
P	1	2	P.1.m.2	MC	1	1	23	19	1	1	P
P	1	3	P.1.m.3	MC	1	1	24	20	1	1	P
C	1	4	C.1.m.4	MC	1	1	25	21	1	1	C
C	1	2	C.1.m.2	MC	1	1	26	22	1	1	C
P	1	4	P.1.m.4	MC	1	1	27	23	1	1	P
P	1	5	P.1.m.5	MC	1	1	28	24	1	1	P
P	2	4	P.2.m.4	MC	1	1	29	25	1	1	P
P	3	2	P.3.m.2	MC	1	1	30	26	1	1	P
P	3	3	P.3.m.3	MC	1	1	31	27	1	1	P
P	2	3	P.2.m.3	MC	1	1	32	28	1	1	P

STRAND	DOMAIN	BENCHMK	GLCE	FORM	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
P	3	5	P.3.m.5	MC	1	1	33	29	1	1	P
P	4	1	P.4.m.1	MC	1	1	34	30	1	1	P
L	1	1	L.1.m.1	MC	2	1	35	31	1	1	L
C	1	2	C.1.m.2	MC	2	1	36	32	1	1	C
L	2	1	L.2.m.1	MC	2	1	37	33	1	1	L
L	2	2	L.2.m.2	MC	2	1	38	34	1	1	L
L	4	2	L.4.m.2	MC	2	1	39	35	1	1	L
L	5	1	L.5.m.1	MC	2	1	40	36	1	1	L
L	5	3	L.5.m.3	MC	2	1	41	37	1	1	L
R	1	2	R.1.m.2	MC	2	1	42	38	1	1	R
R	1	6	R.1.m.6	MC	2	1	43	39	1	1	R
L	5	4	L.5.m.4	MC	2	1	44	40	1	1	L
R	1	2	R.1.m.2	CR	2	1	49	41	1	3	R
E	1	1	E.1.m.1	MC	2	1	50	42	1	1	E
E	2	3	E.2.m.3	MC	2	1	51	43	1	1	E
E	2	4	E.2.m.4	MC	2	1	52	44	1	1	E
E	3	3	E.3.m.3	MC	2	1	53	45	1	1	E
E	4	1	E.4.m.1	MC	2	1	54	46	1	1	E
E	4	2	E.4.m.2	MC	2	1	55	47	1	1	E
R	1	4	R.1.m.4	MC	2	1	56	48	1	1	R
C	1	3	C.1.m.3	MC	2	1	57	49	1	1	C
C	1	4	C.1.m.4	MC	2	1	58	50	1	1	C
P	2	4	P.2.m.4	MC	2	1	59	51	1	1	P
C	1	2	C.1.m.2	MC	2	1	60	52	1	1	C
P	3	2	P.3.m.2	MC	2	1	61	53	1	1	P
R	1	1	R.1.m.1	MC	2	1	62	54	1	1	R
E	1	1	E.1.m.1	MC	1	1	18		0	0	E
L	5	5	L.5.m.5	MC	1	1	19		0	0	L
P	3	3	P.3.m.3	MC	1	1	20		0	0	P
P	1	1	P.1.m.1	MC	1	1	21		0	0	P
L	2	2	L.2.m.2	MC	2	1	45		0	0	L

STRAND	DOMAIN	BENCHMK	GLCE	FORM	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
E	1	1	E.1.m.1	MC	2	1	46		0	0	E
L	1	1	L.1.m.1	MC	2	1	47		0	0	L
R	1	1	R.1.m.1	CR	2	1	48		0	0	R
P	4	3	P.4.m.3	MC	1	1	18		0	0	P
C	1	1	C.1.m.1	MC	1	1	19		0	0	C
P	3	2	P.3.m.2	MC	1	1	20		0	0	P
E	2	1	E.2.m.1	MC	1	1	21		0	0	E
L	5	6	L.5.m.6	MC	2	1	45		0	0	L
P	4	2	P.4.m.2	MC	2	1	46		0	0	P
L	1	2	L.1.m.2	MC	2	1	47		0	0	L
R	1	4	R.1.m.4	CR	2	1	48		0	0	R
C	1	6	C.1.m.6	MC	1	1	18		0	0	C
L	4	1	L.4.m.1	MC	1	1	19		0	0	L
P	3	5	P.3.m.5	MC	1	1	20		0	0	P
E	2	1	E.2.m.1	MC	1	1	21		0	0	E
C	1	6	C.1.m.6	MC	2	1	45		0	0	C
E	1	3	E.1.m.3	MC	2	1	46		0	0	E
P	4	3	P.4.m.3	MC	2	1	47		0	0	P
R	1	1	R.1.m.1	CR	2	1	48		0	0	R
C	1	2	C.1.m.2	MC	1	1	18		0	0	C
E	2	4	E.2.m.4	MC	1	1	19		0	0	E
C	1	4	C.1.m.4	MC	1	1	20		0	0	C
E	4	3	E.4.m.3	MC	1	1	21		0	0	E
L	2	2	L.2.m.2	MC	2	1	45		0	0	L
P	1	2	P.1.m.2	MC	2	1	46		0	0	P
L	5	2	L.5.m.2	MC	2	1	47		0	0	L
R	1	1	R.1.m.1	CR	2	1	48		0	0	R
C	1	1	C.1.m.1	MC	1	1	18		0	0	C
L	5	2	L.5.m.2	MC	1	1	19		0	0	L
P	1	2	P.1.m.2	MC	1	1	20		0	0	P
E	1	4	E.1.m.4	MC	1	1	21		0	0	E

STRAND	DOMAIN	BENCHMK	GLCE	FORM	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
R	1	1	R.1.m.1	MC	2	1	45		0	0	R
L	4	1	L.4.m.1	MC	2	1	46		0	0	L
P	1	6	P.1.m.6	MC	2	1	47		0	0	P
R	1	4	R.1.m.4	CR	2	1	48		0	0	R
R	1	4	R.1.m.4	MC	1	1	18		0	0	R
E	4	2	E.4.m.2	MC	1	1	19		0	0	E
P	2	4	P.2.m.4	MC	1	1	20		0	0	P
L	2	2	L.2.m.2	MC	1	1	21		0	0	L
P	4	6	P.4.m.6	MC	2	1	45		0	0	P
L	2	4	L.2.m.4	MC	2	1	46		0	0	L
P	1	3	P.1.m.3	MC	2	1	47		0	0	P
R	1	5	R.1.m.5	CR	2	1	48		0	0	R
L	3	1	L.3.m.1	MC	1	1	18		0	0	L
P	4	6	P.4.m.6	MC	1	1	19		0	0	P
E	1	2	E.1.m.2	MC	1	1	20		0	0	E
C	1	3	C.1.m.3	MC	1	1	21		0	0	C
E	4	3	E.4.m.3	MC	2	1	45		0	0	E
L	2	1	L.2.m.1	MC	2	1	46		0	0	L
P	1	6	P.1.m.6	MC	2	1	47		0	0	P
R	1	1	R.1.m.1	CR	2	1	48		0	0	R
R	1	3	R.1.m.3	MC	1	1	18		0	0	R
L	5	2	L.5.m.2	MC	1	1	19		0	0	L
P	3	4	P.3.m.4	MC	1	1	20		0	0	P
E	4	3	E.4.m.3	MC	1	1	21		0	0	E
L	5	3	L.5.m.3	MC	2	1	45		0	0	L
C	1	4	C.1.m.4	MC	2	1	46		0	0	C
E	3	2	E.3.m.2	MC	2	1	47		0	0	E
C	1	6	C.1.m.6	CR	2	1	48		0	0	C
C	1	2	C.1.m.2	MC	1	1	18		0	0	C
L	2	2	L.2.m.2	MC	1	1	19		0	0	L
P	2	2	P.2.m.2	MC	1	1	20		0	0	P

STRAND	DOMAIN	BENCHMK	GLCE	FORM	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
R	1	2	R.1.m.2	MC	1	1	21		0	0	R
P	1	2	P.1.m.2	MC	2	1	45		0	0	P
R	1	3	R.1.m.3	MC	2	1	46		0	0	R
E	4	1	E.4.m.1	MC	2	1	47		0	0	E
C	1	2	C.1.m.2	CR	2	1	48		0	0	C
C	1	4	C.1.m.4	MC	1	1	18		0	0	C
E	3	2	E.3.m.2	MC	1	1	19		0	0	E
P	2	1	P.2.m.1	MC	1	1	20		0	0	P
P	4	2	P.4.m.2	MC	1	1	21		0	0	P
P	3	4	P.3.m.4	MC	2	1	45		0	0	P
P	3	2	P.3.m.2	MC	2	1	46		0	0	P
L	3	1	L.3.m.1	MC	2	1	47		0	0	L
R	1	4	R.1.m.4	CR	2	1	48		0	0	R

## **MEAP Elementary School Social Studies Test Design**

### **Parameters:**

- The Elementary School Social Studies Test has 46 operational items: 46 multiple choice (MC).
- Each MC item is worth 1 point. As such, the test has 46 points.
- In addition to the 46 operational items, there will be 10 field-test forms that includes 10 MC items. The FT items do not count toward the student's score.

### **Limitations:**

- Ten MC items each (20% of the total points) from Strands I, II, III and IV
- Six MC items (12% of the total points) from Strand V

### **Rules:**

- The test is divided into parts, Part 1 and Part 2. Each part spans across the 6 strands for the elementary school section of the Michigan Social Studies Curriculum Framework (Summer, 2000; [http://michigan.gov/documents/Updated\\_Social\\_Studies\\_Benchmarks\\_27030\\_7.pdf](http://michigan.gov/documents/Updated_Social_Studies_Benchmarks_27030_7.pdf)).
- Each part has approximately the same amount of work.
- Each part has 5 sections. Example:
  - Part 1 assesses History, Economics, Civics, and Inquiry.
  - Part 2 assesses Geography, Inquiry, Civics, and History
  - Public Discourse and Decision Making is assessed in either Part 1 or Part 2.
- MC items are grouped together either by Strand or by a Theme (e.g., The Revolutionary War).
- Order of Strands or Themes within each Part is flexible – could change from one year to the next
- Clusters of items, related to a common Prompt, may be used where appropriate and/or necessary to achieve clarity and integrity.

**Approval Process:**

The items selected for the elementary school Social Studies test must be approved by the MEAP Social Studies consultant prior to any test booklet preparation. This approval includes:

- any and all final test edits for both content, composition, and format
- review and approval of item benchmark codes and answer key
- the order of item placement in the test.

The approval process will review the selected test items as presented to the MEAP Social Studies consultant as a stack of pages having 1 item per page along with the item's metadata (e.g., benchmark, key, and statistics). For distinction, the FT items would use paper other than white. The order of the pages in the stack will reflect the proposed item order on the test.

### OEAA Elementary School Social Studies MEAP Test Specifications

<b>Strand</b>	<b>Multiple Choice Items</b>	<b>Constructed Response Items/points</b>	<b>Total items/points</b>
History	10		10
Geography	10		10
Civics/ government	10		10
Economics	10		10
Inquiry	5		5
Inquiry and Decision Making	1		

<b>Total points/items</b>	46	N/A	<b>46 items</b>
Field test items (12 forms; items matrixed through)	10 MC items	N/A	10 MC items

### Elementary School Social Studies Test Template – Part 1

Item #	Function	Type	Strand	Points	Section
1	Base	MC	II	1	Geography
2	Base	MC	II	1	Geography
3	Base	MC	II	1	Geography
4	Base	MC	II	1	Geography
5	Base	MC	II	1	Geography
6	FT	MC	I, II, III, IV or V	N/A	As Needed
7	FT	MC	I, II, III, IV or V	N/A	As Needed
8	FT	MC	I, II, III, IV or V	N/A	As Needed
9	FT	MC	I, II, III, IV or V	N/A	As Needed
10	FT	MC	I, II, III, IV or V	N/A	As Needed
11	Base	MC	IV	1	Economics
12	Base	MC	IV	1	Economics
13	Base	MC	IV	1	Economics
14	Base	MC	IV	1	Economics
15	Base	MC	IV	1	Economics
16	Base	MC	III	1	Civics
17	Base	MC	III	1	Civics
18	Base	MC	III	1	Civics
19	Base	MC	III	1	Civics
20	Base	MC	III	1	Civics
21	Base	MC	I	1	History
22	Base	MC	I	1	History
23	Base	MC	I	1	History
24	Base	MC	I	1	History
25	Base	MC	I	1	History
26	Base	MC – Cluster	V	1	Inquiry
27	Base	MC – Cluster	VI	3	Decision-

					Making
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Note: It is best to populate the test layout with the cluster sets first. The numbers of independent MC items needed to meet test specifications will determine the relative sizes of a subject section within parts of the test. The position of the FT items within each Part can vary, so that test administrators and students cannot predict which section is Field Test.

### Elementary School Social Studies Test Template – Part 2

Item #	Function	Type	Strand	Points	Section
28	Base	MC	II	1	Geography
29	Base	MC	II	1	Geography
30	Base	MC	II	1	Geography
31	Base	MC	II	1	Geography
32	Base	MC	II	1	Geography
33	Base	MC – Cluster	V	1	Inquiry
34	Base	MC – Cluster	V	1	Inquiry
35	Base	MC – Cluster	V	1	Inquiry
36	Base	MC – Cluster	V	1	Inquiry
37	Base	MC – Cluster	V	1	Inquiry
38	Base	MC	III	1	Civics
39	Base	MC	III	1	Civics
40	Base	MC	III	1	Civics
41	Base	MC	III	1	Civics
42	Base	MC	III	1	Civics
43	FT	MC	I, II, III, IV or V	N/A	As Needed
44	FT	MC	I, II, III, IV or V	N/A	As Needed
45	FT	MC	I, II, III, IV or V	N/A	As Needed
46	FT	MC	I, II, III, IV or V	N/A	As Needed
47	FT	MC	I, II, III, IV or V	N/A	As Needed
48	Base	MC	I	1	History
49	Base	MC	I	1	History
50	Base	MC	I	1	History
51	Base	MC	I	1	History
52	Base	MC	I	1	History
53	Base	MC	IV	1	Economics
54	Base	MC	IV	1	Economics
55	Base	MC	IV	1	Economics

56	Base	MC	IV	1	Economics
57	Base	MC	IV	1	Economics
58	FT	MC – Cluster	V	N/A	Inquiry
59	FT	MC – Cluster	VI	N/A	Decision-Making

Note, Items 26 and 27, as well as 58 and 59, are clusters related to a specific data set. The 5 Items relating to Strand V are clusters related to a specific data set, also. At this level, the data set consists of two relatively simple maps, charts and/or tables.

## Elementary School Social Studies Test Blueprint/Testmap

STRAND	DOMAIN	BENCHMK	GLCE	FORM	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
C	2	3	C.2.e.3	MC	1	1	1	1	1	1	C
C	4	1	C.4.e.1	MC	1	1	2	2	1	1	C
C	1	1	C.1.e.1	MC	1	1	3	3	1	1	C
C	5	1	C.5.e.1	MC	1	1	4	4	1	1	C
C	4	2	C.4.e.2	MC	1	1	5	5	1	1	C
G	2	2	G.2.e.2	MC	1	1	11	6	1	1	G
G	2	4	G.2.e.4	MC	1	1	12	7	1	1	G
G	1	3	G.1.e.3	MC	1	1	13	8	1	1	G
G	3	3	G.3.e.3	MC	1	1	14	9	1	1	G
G	5	1	G.5.e.1	MC	1	1	15	10	1	1	G
H	1	1	H.1.e.1	MC	1	1	16	11	1	1	H
H	1	1	H.1.e.1	MC	1	1	17	12	1	1	H
H	1	3	H.1.e.3	MC	1	1	18	13	1	1	H
H	1	2	H.1.e.2	MC	1	1	19	14	1	1	H
H	3	1	H.3.e.1	MC	1	1	20	15	1	1	H
E	2	1	E.2.e.1	MC	1	1	21	16	1	1	E
E	4	1	E.4.e.1	MC	1	1	22	17	1	1	E
E	3	3	E.3.e.3	MC	1	1	23	18	1	1	E
E	2	2	E.2.e.2	MC	1	1	24	19	1	1	E
E	1	4	E.1.e.4	MC	1	1	25	20	1	1	E
E	4	2	E.4.e.2	MC	2	1	26	21	1	1	E
E	5	3	E.5.e.3	MC	2	1	27	22	1	1	E
E	3	2	E.3.e.2	MC	2	1	28	23	1	1	E
E	2	2	E.2.e.2	MC	2	1	29	24	1	1	E
E	2	1	E.2.e.1	MC	2	1	30	25	1	1	E
G	1	3	G.1.e.3	MC	2	1	31	26	1	1	G
G	1	3	G.1.e.3	MC	2	1	32	27	1	1	G
G	4	4	G.4.e.4	MC	2	1	33	28	1	1	G
G	3	4	G.3.e.4	MC	2	1	34	29	1	1	G

STRAND	DOMAIN	BENCHMK	GLCE	FORM	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
G	4	6	G.4.e.6	MC	2	1	35	30	1	1	G
H	4	2	H.4.e.2	MC	2	1	36	31	1	1	H
H	3	2	H.3.e.2	MC	2	1	37	32	1	1	H
H	4	1	H.4.e.1	MC	2	1	38	33	1	1	H
H	2	2	H.2.e.2	MC	2	1	39	34	1	1	H
H	2	4	H.2.e.4	MC	2	1	40	35	1	1	H
I	1	3	I.1.e.3	MC	2	1	46	36	1	1	I
I	1	3	I.1.e.3	MC	2	1	47	37	1	1	I
I	1	3	I.1.e.3	MC	2	1	48	38	1	1	I
I	1	3	I.1.e.3	MC	2	1	49	39	1	1	I
I	1	3	I.1.e.3	MC	2	1	50	40	1	1	I
I	1	3	I.1.e.3	MC	2	1	51	41	1	1	I
C	2	1	C.2.e.1	MC	2	1	52	42	1	1	C
C	2	2	C.2.e.2	MC	2	1	53	43	1	1	C
C	4	2	C.4.e.2	MC	2	1	54	44	1	1	C
C	4	3	C.4.e.3	MC	2	1	55	45	1	1	C
C	2	3	C.2.e.3	MC	2	1	56	46	1	1	C
H	1	3	H.1.e.3	MC	1	1	6		0	0	H
H	1	1	H.1.e.1	MC	1	1	7		0	0	H
H	4	2	H.4.e.2	MC	1	1	8		0	0	H
H	3	1	H.3.e.1	MC	1	1	9		0	0	H
H	2	2	H.2.e.2	MC	1	1	10		0	0	H
E	5	2	E.5.e.2	MC	2	1	41		0	0	E
E	1	2	E.1.e.2	MC	2	1	42		0	0	E
E	2	1	E.2.e.1	MC	2	1	43		0	0	E
E	3	2	E.3.e.2	MC	2	1	44		0	0	E
E	5	1	E.5.e.1	MC	2	1	45		0	0	E
G	2	4	G.2.e.4	MC	1	1	6		0	0	G
G	1	1	G.1.e.1	MC	1	1	7		0	0	G
G	3	1	G.3.e.1	MC	1	1	8		0	0	G
G	2	2	G.2.e.2	MC	1	1	9		0	0	G
G	5	1	G.5.e.1	MC	1	1	10		0	0	G

STRAND	DOMAIN	BENCHMK	GLCE	FORM	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
C	1	1	C.1.e.1	MC	2	1	41		0	0	C
C	1	2	C.1.e.2	MC	2	1	42		0	0	C
C	2	1	C.2.e.1	MC	2	1	43		0	0	C
C	2	2	C.2.e.2	MC	2	1	44		0	0	C
C	4	1	C.4.e.1	MC	2	1	45		0	0	C
I	1	3	I.1.e.3	MC	1	1	6		0	0	I
I	1	3	I.1.e.3	MC	1	1	7		0	0	I
I	1	3	I.1.e.3	MC	1	1	8		0	0	I
I	1	3	I.1.e.3	MC	1	1	9		0	0	I
I	1	3	I.1.e.3	MC	1	1	10		0	0	I
G	3	1	G.3.e.1	MC	2	1	41		0	0	G
G	4	3	G.4.e.3	MC	2	1	42		0	0	G
G	1	1	G.1.e.1	MC	2	1	43		0	0	G
G	1	1	G.1.e.1	MC	2	1	44		0	0	G
G	4	5	G.4.e.5	MC	2	1	45		0	0	G
I	1	3	I.1.e.3	MC	1	1	6		0	0	I
I	1	3	I.1.e.3	MC	1	1	7		0	0	I
I	1	3	I.1.e.3	MC	1	1	8		0	0	I
I	1	3	I.1.e.3	MC	1	1	9		0	0	I
I	1	3	I.1.e.3	MC	1	1	10		0	0	I
C	2	1	C.2.e.1	MC	2	1	41		0	0	C
C	1	1	C.1.e.1	MC	2	1	42		0	0	C
C	1	3	C.1.e.3	MC	2	1	43		0	0	C
C	2	3	C.2.e.3	MC	2	1	44		0	0	C
C	2	2	C.2.e.2	MC	2	1	45		0	0	C
E	5	3	E.5.e.3	MC	1	1	6		0	0	E
E	5	2	E.5.e.2	MC	1	1	7		0	0	E
E	4	1	E.4.e.1	MC	1	1	8		0	0	E
E	5	3	E.5.e.3	MC	1	1	9		0	0	E
E	1	2	E.1.e.2	MC	1	1	10		0	0	E
G	3	1	G.3.e.1	MC	2	1	41		0	0	G
G	4	4	G.4.e.4	MC	2	1	42		0	0	G

STRAND	DOMAIN	BENCHMK	GLCE	FORM	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
G	2	2	G.2.e.2	MC	2	1	43		0	0	G
G	2	2	G.2.e.2	MC	2	1	44		0	0	G
G	4	6	G.4.e.6	MC	2	1	45		0	0	G
H	1	1	H.1.e.1	MC	1	1	6		0	0	H
H	2	1	H.2.e.1	MC	1	1	7		0	0	H
H	2	3	H.2.e.3	MC	1	1	8		0	0	H
H	2	3	H.2.e.3	MC	1	1	9		0	0	H
H	2	2	H.2.e.2	MC	1	1	10		0	0	H
C	1	1	C.1.e.1	MC	2	1	41		0	0	C
C	4	3	C.4.e.3	MC	2	1	42		0	0	C
C	4	3	C.4.e.3	MC	2	1	43		0	0	C
C	3	2	C.3.e.2	MC	2	1	44		0	0	C
C	4	1	C.4.e.1	MC	2	1	45		0	0	C
E	4	1	E.4.e.1	MC	1	1	6		0	0	E
E	2	2	E.2.e.2	MC	1	1	7		0	0	E
E	4	3	E.4.e.3	MC	1	1	8		0	0	E
E	5	1	E.5.e.1	MC	1	1	9		0	0	E
E	3	2	E.3.e.2	MC	1	1	10		0	0	E
H	3	2	H.3.e.2	MC	2	1	41		0	0	H
H	4	2	H.4.e.2	MC	2	1	42		0	0	H
H	3	1	H.3.e.1	MC	2	1	43		0	0	H
H	3	1	H.3.e.1	MC	2	1	44		0	0	H
H	2	3	H.2.e.3	MC	2	1	45		0	0	H
H	1	1	H.1.e.1	MC	1	1	6		0	0	H
H	1	3	H.1.e.3	MC	1	1	7		0	0	H
H	2	1	H.2.e.1	MC	1	1	8		0	0	H
H	3	2	H.3.e.2	MC	1	1	9		0	0	H
H	4	2	H.4.e.2	MC	1	1	10		0	0	H
I	1	3	I.1.e.3	MC	2	1	41		0	0	I
I	1	3	I.1.e.3	MC	2	1	42		0	0	I
I	1	3	I.1.e.3	MC	2	1	43		0	0	I
I	1	3	I.1.e.3	MC	2	1	44		0	0	I

STRAND	DOMAIN	BENCHMK	GLCE	FORM	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
I	1	3	I.1.e.3	MC	2	1	45		0	0	I
E	2	2	E.2.e.2	MC	1	1	6		0	0	E
E	4	1	E.4.e.1	MC	1	1	7		0	0	E
E	3	3	E.3.e.3	MC	1	1	8		0	0	E
E	3	2	E.3.e.2	MC	1	1	9		0	0	E
E	5	2	E.5.e.2	MC	1	1	10		0	0	E
G	2	4	G.2.e.4	MC	2	1	41		0	0	G
G	1	1	G.1.e.1	MC	2	1	42		0	0	G
G	1	2	G.1.e.2	MC	2	1	43		0	0	G
G	2	1	G.2.e.1	MC	2	1	44		0	0	G
G	4	2	G.4.e.2	MC	2	1	45		0	0	G
I	1	3	I.1.e.3	MC	1	1	6		0	0	I
I	1	3	I.1.e.3	MC	1	1	7		0	0	I
I	1	3	I.1.e.3	MC	1	1	8		0	0	I
I	1	3	I.1.e.3	MC	1	1	9		0	0	I
I	1	3	I.1.e.3	MC	1	1	10		0	0	I
C	4	3	C.4.e.3	MC	2	1	41		0	0	C
C	4	3	C.4.e.3	MC	2	1	42		0	0	C
C	2	3	C.2.e.3	MC	2	1	43		0	0	C
C	3	1	C.3.e.1	MC	2	1	44		0	0	C
C	4	1	C.4.e.1	MC	2	1	45		0	0	C

## **MEAP Middle School Social Studies Test Design**

### **Parameters:**

- The Middle School Social Studies Test has 46 operational items: 46 multiple choice (MC).
- Each MC item is worth 1 point. As such, the test has 46 points.
- In addition to the 46 operational items, there will be 10 MC Field Test items. The FT items do not count toward the student's score.

### **Limitations:**

- Ten MC items each (20% of the total points) from Strands I, II, III and IV
- Six MC items (12% of the total points) from Strand V

### **Rules:**

- The test is divided into parts, Part 1 and Part 2. Each part spans across the 6 strands for the middle school section of the Michigan Social Studies Curriculum Framework (Summer, 2000; [http://michigan.gov/documents/Updated\\_Social\\_Studies\\_Benchmarks\\_27030\\_7.pdf](http://michigan.gov/documents/Updated_Social_Studies_Benchmarks_27030_7.pdf)).
- Each part has approximately the same amount of work.
- Each part has 5 sections.
  - Part 1 assesses History, Economics, Civics, and Inquiry.
  - Part 2 assesses Geography, Inquiry, Civics, and History
  - Public Discourse and Decision Making is assessed in either Part 1 or Part 2.
- MC items are grouped together either by Strand or by a Theme (e.g., The Civil War).
- Order of Strands or Themes within each Part is flexible – could change from one year to the next
- Clusters of items, related to a common Prompt, may be used where appropriate and/or necessary to achieve clarity and integrity.

### **Approval Process:**

The items selected for the Middle school Social Studies test must be approved by the MEAP Social Studies consultant prior to any test booklet preparation. This approval includes:

- any and all final test edits for both content, composition, and format
- review and approval of item benchmark codes and answer key
- the order of item placement in the test.

The approval process will review the selected test items as presented to the MEAP Social Studies consultant as a stack of pages having 1 item per page along with the item's metadata (e.g., benchmark, key, and statistics). For distinction, the FT items would use paper other than white. The order of the pages in the stack will reflect the proposed item order on the test.

### OEAA Middle School Social Studies MEAP Test Specifications

<b>Strand</b>	<b>Multiple Choice Items</b>	<b>Constructed Response Items/points</b>	<b>Total items/points</b>
History	10		10
Geography	10		10
Civics/ government	10		10
Economics	10		10
Inquiry	5		5
Inquiry and Decision Making	1		1

<b>Total points/items</b>	46		<b>46 items</b>
Field test items (12 forms; items matrixed through)	10	N/A	10 MC items

### Middle School Social Studies Test Template – Part 1

Item #	Function	Type	Strand	Points	Section
1	Base	MC	IV	1	Economics
2	Base	MC	IV	1	Economics
3	Base	MC	IV	1	Economics
4	Base	MC	IV	1	Economics
5	Base	MC	IV	1	Economics
6	FT	MC	I, II, III, IV or V	N/A	As Needed
7	FT	MC	I, II, III, IV or V	N/A	As Needed
8	FT	MC	I, II, III, IV or V	N/A	As Needed
9	FT	MC	I, II, III, IV or V	N/A	As Needed
10	FT	MC	I, II, III, IV or V	N/A	As Needed
11	Base	MC	II	1	Geography
12	Base	MC	II	1	Geography
13	Base	MC	II	1	Geography
14	Base	MC	II	1	Geography
15	Base	MC	II	1	Geography
16	Base	MC	III	1	Civics
17	Base	MC	III	1	Civics
18	Base	MC	III	1	Civics
19	Base	MC	III	1	Civics
20	Base	MC	III	1	Civics
21	Base	MC	I	1	History
22	Base	MC	I	1	History
23	Base	MC	I	1	History
24	Base	MC	I	1	History
25	Base	MC	I	1	History
26	Base	MC – Cluster	V	1	Inquiry
27	Base	MC – Cluster	VI	3	Decision-

					Making
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Note: It is best to populate the test layout with the cluster sets first. The numbers of independent MC items needed to meet test specifications will determine the relative sizes of a subject section within parts of the test. The position of the FT items within each Part can vary, so that test administrators and students cannot predict which section is Field Test.

## Middle School Social Studies Test Template – Part 2

Item #	Function	Type	Strand	Points	Section
28	Base	MC	II	1	Geography
29	Base	MC	II	1	Geography
30	Base	MC	II	1	Geography
31	Base	MC	II	1	Geography
32	Base	MC	II	1	Geography
33	Base	MC – Cluster	III	1	Civics
34	Base	MC – Cluster	III	1	Civics
35	Base	MC – Cluster	III	1	Civics
36	Base	MC – Cluster	III	1	Civics
37	Base	MC – Cluster	III	1	Civics
38	Base	MC	I	1	History
39	Base	MC	I	1	History
40	Base	MC	I	1	History
41	Base	MC	I	1	History
42	Base	MC	I	1	History
43	FT	MC	I, II, III, IV or V	N/A	As Needed
44	FT	MC	I, II, III, IV or V	N/A	As Needed
45	FT	MC	I, II, III, IV or V	N/A	As Needed
46	FT	MC	I, II, III, IV or V	N/A	As Needed
47	FT	MC	I, II, III, IV or V	N/A	As Needed
48	Base	MC	IV	1	Economics
49	Base	MC	IV	1	Economics
50	Base	MC	IV	1	Economics
51	Base	MC	IV	1	Economics
52	Base	MC	IV	1	Economics
53	Base	MC	V	1	Inquiry
54	Base	MC	V	1	Inquiry
55	Base	MC	V	1	Inquiry

56	Base	MC	V	1	Inquiry
57	Base	MC	V	1	Inquiry
58	FT	MC – Cluster	V	N/A	Inquiry
59	FT	MC – Cluster	VI	N/A	Decision-Making

Note, Items 26 and 27, as well as 58 and 59, are clusters related to a specific data set. The 5 Items relating to Strand V are clusters related to a specific data set, also. At this level, the data set consists of two moderately complex maps, charts, and/or tables.

## Middle School Social Studies Test Blue/Testmap

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
C	1	3	C.1.m.3	MC	1	1	1	1	1	1
C	4	2	C.4.m.2	MC	1	1	2	2	1	1
C	3	1	C.3.m.1	MC	1	1	3	3	1	1
C	2	2	C.2.m.2	MC	1	1	4	4	1	1
C	5	1	C.5.m.1	MC	1	1	5	5	1	1
G	3	1	G.3.m.1	MC	1	1	11	6	1	1
G	2	1	G.2.m.1	MC	1	1	12	7	1	1
G	2	2	G.2.m.2	MC	1	1	13	8	1	1
G	5	3	G.5.m.3	MC	1	1	14	9	1	1
G	2	5	G.2.m.5	MC	1	1	15	10	1	1
H	1	1	H.1.m.1	MC	1	1	16	11	1	1
H	4	2	H.4.m.2	MC	1	1	17	12	1	1
H	4	3	H.4.m.3	MC	1	1	18	13	1	1
H	2	1	H.2.m.1	MC	1	1	19	14	1	1
H	1	2	H.1.m.2	MC	1	1	20	15	1	1
E	3	1	E.3.m.1	MC	1	1	21	16	1	1
E	2	1	E.2.m.1	MC	1	1	22	17	1	1
E	4	2	E.4.m.2	MC	1	1	23	18	1	1
E	4	3	E.4.m.3	MC	1	1	24	19	1	1
E	3	4	E.3.m.4	MC	1	1	25	20	1	1
E	3	1	E.3.m.1	MC	2	1	26	21	1	1
E	4	2	E.4.m.2	MC	2	1	27	22	1	1
E	5	1	E.5.m.1	MC	2	1	28	23	1	1
E	2	4	E.2.m.4	MC	2	1	29	24	1	1
E	5	3	E.5.m.3	MC	2	1	30	25	1	1
G	5	3	G.5.m.3	MC	2	1	31	26	1	1
G	4	2	G.4.m.2	MC	2	1	32	27	1	1
G	2	2	G.2.m.2	MC	2	1	33	28	1	1

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
G	4	3	G.4.m.3	MC	2	1	34	29	1	1
G	5	2	G.5.m.2	MC	2	1	35	30	1	1
H	3	3	H.3.m.3	MC	2	1	36	31	1	1
H	4	4	H.4.m.4	MC	2	1	37	32	1	1
H	1	2	H.1.m.2	MC	2	1	38	33	1	1
H	2	1	H.2.m.1	MC	2	1	39	34	1	1
H	2	2	H.2.m.2	MC	2	1	40	35	1	1
I	1	3	I.1.m.3	MC	2	1	46	36	1	1
I	1	3	I.1.m.3	MC	2	1	47	37	1	1
I	1	3	I.1.m.3	MC	2	1	48	38	1	1
I	1	3	I.1.m.3	MC	2	1	49	39	1	1
I	1	3	I.1.m.3	MC	2	1	50	40	1	1
I	1	3	I.1.m.3	MC	2	1	51	41	1	1
C	2	1	C.2.m.1	MC	2	1	52	42	1	1
C	1	2	C.1.m.2	MC	2	1	53	43	1	1
C	5	1	C.5.m.1	MC	2	1	54	44	1	1
C	2	3	C.2.m.3	MC	2	1	55	45	1	1
C	4	2	C.4.m.2	MC	2	1	56	46	1	1
H	1	2	H.1.m.2	MC	1	1	6		0	0
H	4	4	H.4.m.4	MC	1	1	7		0	0
H	3	3	H.3.m.3	MC	1	1	8		0	0
H	2	1	H.2.m.1	MC	1	1	9		0	0
H	1	3	H.1.m.3	MC	1	1	10		0	0
E	1	2	E.1.m.2	MC	2	1	41		0	0
E	4	2	E.4.m.2	MC	2	1	42		0	0
E	4	2	E.4.m.2	MC	2	1	43		0	0
E	5	2	E.5.m.2	MC	2	1	44		0	0
E	3	2	E.3.m.2	MC	2	1	45		0	0
G	2	1	G.2.m.1	MC	1	1	6		0	0
G	2	3	G.2.m.3	MC	1	1	7		0	0
G	5	1	G.5.m.1	MC	1	1	8		0	0
G	2	2	G.2.m.2	MC	1	1	9		0	0

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
G	4	2	G.4.m.2	MC	1	1	10		0	0
C	4	1	C.4.m.1	MC	2	1	41		0	0
C	4	2	C.4.m.2	MC	2	1	42		0	0
C	1	1	C.1.m.1	MC	2	1	43		0	0
C	3	1	C.3.m.1	MC	2	1	44		0	0
C	1	1	C.1.m.1	MC	2	1	45		0	0
I	1	3	I.1.m.3	MC	1	1	6		0	0
I	1	3	I.1.m.3	MC	1	1	7		0	0
I	1	3	I.1.m.3	MC	1	1	8		0	0
I	1	3	I.1.m.3	MC	1	1	9		0	0
I	1	3	I.1.m.3	MC	1	1	10		0	0
G	3	1	G.3.m.1	MC	2	1	41		0	0
G	1	1	G.1.m.1	MC	2	1	42		0	0
G	1	1	G.1.m.1	MC	2	1	43		0	0
G	3	3	G.3.m.3	MC	2	1	44		0	0
G	3	2	G.3.m.2	MC	2	1	45		0	0
I	1	3	I.1.m.3	MC	1	1	6		0	0
I	1	3	I.1.m.3	MC	1	1	7		0	0
I	1	3	I.1.m.3	MC	1	1	8		0	0
I	1	3	I.1.m.3	MC	1	1	9		0	0
I	1	3	I.1.m.3	MC	1	1	10		0	0
C	3	2	C.3.m.2	MC	2	1	41		0	0
C	2	3	C.2.m.3	MC	2	1	42		0	0
C	2	3	C.2.m.3	MC	2	1	43		0	0
C	3	2	C.3.m.2	MC	2	1	44		0	0
C	2	2	C.2.m.2	MC	2	1	45		0	0
E	5	1	E.5.m.1	MC	1	1	6		0	0
E	1	3	E.1.m.3	MC	1	1	7		0	0
E	4	2	E.4.m.2	MC	1	1	8		0	0
E	4	3	E.4.m.3	MC	1	1	9		0	0
E	5	1	E.5.m.1	MC	1	1	10		0	0
G	2	2	G.2.m.2	MC	2	1	41		0	0

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
G	2	3	G.2.m.3	MC	2	1	42		0	0
G	2	1	G.2.m.1	MC	2	1	43		0	0
G	2	1	G.2.m.1	MC	2	1	44		0	0
G	2	4	G.2.m.4	MC	2	1	45		0	0
H	1	2	H.1.m.2	MC	1	1	6		0	0
H	3	1	H.3.m.1	MC	1	1	7		0	0
H	3	1	H.3.m.1	MC	1	1	8		0	0
H	1	2	H.1.m.2	MC	1	1	9		0	0
H	4	1	H.4.m.1	MC	1	1	10		0	0
C	5	2	C.5.m.2	MC	2	1	41		0	0
C	2	3	C.2.m.3	MC	2	1	42		0	0
C	5	2	C.5.m.2	MC	2	1	43		0	0
C	2	1	C.2.m.1	MC	2	1	44		0	0
C	1	1	C.1.m.1	MC	2	1	45		0	0
E	5	3	E.5.m.3	MC	1	1	6		0	0
E	4	3	E.4.m.3	MC	1	1	7		0	0
E	4	4	E.4.m.4	MC	1	1	8		0	0
E	3	2	E.3.m.2	MC	1	1	9		0	0
E	1	2	E.1.m.2	MC	1	1	10		0	0
H	1	2	H.1.m.2	MC	2	1	41		0	0
H	4	3	H.4.m.3	MC	2	1	42		0	0
H	2	4	H.2.m.4	MC	2	1	43		0	0
H	1	1	H.1.m.1	MC	2	1	44		0	0
H	1	2	H.1.m.2	MC	2	1	45		0	0
H	4	1	H.4.m.1	MC	1	1	6		0	0
H	1	2	H.1.m.2	MC	1	1	7		0	0
H	4	4	H.4.m.4	MC	1	1	8		0	0
H	4	3	H.4.m.3	MC	1	1	9		0	0
H	2	1	H.2.m.1	MC	1	1	10		0	0
I	1	3	I.1.m.3	MC	2	1	41		0	0
I	1	3	I.1.m.3	MC	2	1	42		0	0
I	1	3	I.1.m.3	MC	2	1	43		0	0

STRAND	DOMAIN	BENCHMK	GLCE	TYPE	PART	FUNCTION	TEST_POS	REL_POS	ANCHOR	POINTS
I	1	3	I.1.m.3	MC	2	1	44		0	0
I	1	3	I.1.m.3	MC	2	1	45		0	0
E	1	3	E.1.m.3	MC	1	1	6		0	0
E	3	2	E.3.m.2	MC	1	1	7		0	0
E	2	3	E.2.m.3	MC	1	1	8		0	0
E	5	1	E.5.m.1	MC	1	1	9		0	0
E	1	1	E.1.m.1	MC	1	1	10		0	0
G	4	2	G.4.m.2	MC	2	1	41		0	0
G	2	1	G.2.m.1	MC	2	1	42		0	0
G	5	3	G.5.m.3	MC	2	1	43		0	0
G	2	4	G.2.m.4	MC	2	1	44		0	0
G	1	2	G.1.m.2	MC	2	1	45		0	0
I	1	3	I.1.m.3	MC	1	1	6		0	0
I	1	3	I.1.m.3	MC	1	1	7		0	0
I	1	3	I.1.m.3	MC	1	1	8		0	0
I	1	3	I.1.m.3	MC	1	1	9		0	0
I	1	3	I.1.m.3	MC	1	1	10		0	0
C	5	1	C.5.m.1	MC	2	1	41		0	0
C	1	2	C.1.m.2	MC	2	1	42		0	0
C	2	1	C.2.m.1	MC	2	1	43		0	0
C	1	1	C.1.m.1	MC	2	1	44		0	0
C	2	3	C.2.m.3	MC	2	1	45		0	0