


## 2010 Mathematical Olympiad Summer Program Schedule

Sun Jun 6	Mon Jun 7	Tue Jun 8	Wed Jun 9	Thu Jun 10	Fri Jun 11	Sat Jun 12
<i>(W196: red)</i> <i>(W193: green)</i> <i>(W130: blue)</i> <i>(W106: black)</i>		Students arrive	<b>JB</b> How to write <b>PM</b> How to write <b>AM</b> Mods/divisibil <b>ZF</b> Geometry 1	<b>ZF</b> Number theory 1 <b>AP</b> Inequalities <b>IL</b> Prim rts and exp 1 <b>PM</b> Induction	<b>IL</b> Geometry 2 <b>AP</b> Divisibility <b>AM</b> Diophant eq <b>GC</b> Invariants	<b>AG</b> Induction <b>AM</b> N.T. constr TST 3
		Students arrive	<b>AM</b> Functional eqns <b>IL</b> Geometry 1 <b>AP</b> Functional eqns <b>GC</b> Graph theory	<b>AP</b> Inequalities <b>ZF</b> Number theory 1 <b>DBR</b> Homothety <b>GC</b> Combin num theory	<b>AP</b> Divisibility <b>IL</b> Geometry 2 <b>DBR</b> Spiral sim <b>ZF</b> Algebra 1	<b>AM</b> N.T. constr <b>AG</b> Induction TST 3
		Students arrive	<b>NT</b> Hmwrk rvw <b>SB</b> Hmwrk rvw Rest	<b>IL</b> Geometry 1 <b>AM</b> Functional eqns Team selec test 1	Test 0 Team selec test 2	
			Study time	Study time	Study time	

Sun Jun 13	Mon Jun 14	Tue Jun 15	Wed Jun 16	Thu Jun 17	Fri Jun 18	Sat Jun 19
<i>(W196: red)</i> <i>(W193: green)</i> <i>(W130: blue)</i> <i>(W106: black)</i>	<b>CJ</b> Counting strats <b>IL</b> Geometry 3 <b>AG</b> Induction <b>AM</b> Polynomials	<b>ZF</b> Number theory 2 <b>GC</b> Sums/products <b>AG</b> Inequalities <b>ZB</b> Polyn divis	<b>IL</b> Geometry 4 <b>CJ</b> Recursions <b>AP</b> Sym func (ineq) <b>GC</b> $\mathbb{Z}/p\mathbb{Z}$	<b>MM</b> Combin geom <b>ZF</b> Number theory 3 <b>GC</b> Combin num theory <b>AG</b> Functional eqns	<b>PS</b> Pigeonhole <b>GC</b> Pigeonhole <b>MM</b> Biject proofs <b>AP</b> Multiplicative NT	<b>MM</b> Biject proofs <b>IL</b> Geometry 5 Mock IMO 1
	<b>IL</b> Geometry 3 <b>CJ</b> Counting strats <b>GC</b> Enumeration <b>AP</b> Integer polyn	<b>GC</b> Sums/products <b>ZF</b> Number theory 2 <b>DBR</b> Roots of unity <b>JB</b> Sets and seqs	<b>CJ</b> Recursions <b>IL</b> Geometry 4 <b>ZF</b> Geometry 1 <b>AG</b> Inequalities	<b>ZF</b> Number theory 3 <b>MM</b> Combin geom <b>AP</b> Smoothing <b>IL</b> Inequalities		<b>IL</b> Geometry 5 <b>MM</b> Biject proofs Mock IMO 1
Team contest 1 Black free	Test 1	<b>AP</b> Finite diffs <b>AG</b> Inequalities <b>CJ</b> Sequences/series <b>IL</b> Combinatorics	Test 2	<b>AG</b> Inequalities <b>AP</b> Finite diffs <b>CJ</b> Recursions <b>GC</b> Enumeration		Test 3
Test review	Study time	Test review	Study time	Test review		

Sun Jun 20	Mon Jun 21	Tue Jun 22	Wed Jun 23	Thu Jun 24	Fri Jun 25	Sat Jun 26
<i>(W196: red)</i> <i>(W193: green)</i> <i>(W130: blue)</i> <i>(W106: black)</i>	<b>YS</b> Combin sums <b>RG</b> Algebra <b>MM</b> Generating funct <b>ZF</b> Algebra 2	<b>IL</b> Geometry 6 <b>PR</b> Polynomials <b>RG</b> Combinatorics <b>YS</b> Cplx numbers	<b>MM</b> Games <b>IL</b> Geometry 7 <b>PR</b> Combin geom <b>RG</b> Combinatorics	<b>PS</b> Graph theory 1 <b>ZF</b> Number theory 4 <b>IL</b> Prim rts and exp 2 <b>PR</b> Combin geom	<b>YS</b> Inequalities <b>AP</b> Diophant eq <b>PS</b> Extrem argum <b>PR</b> Diophant eq	ELMO  Mock IMO 2
	<b>RG</b> Algebra <b>YS</b> Combin sums <b>AP</b> N.T. constr <b>CS</b> Geometry 1	<b>PR</b> Polynomials <b>IL</b> Geometry 6 <b>CS</b> Geometry <b>MM</b> Generating funct	<b>IL</b> Geometry 7 <b>MM</b> Games <b>ZF</b> Geometry 2 <b>CS</b> Geometry 2	<b>AP</b> Diophant eq <b>PS</b> Graph theory 1 <b>RG</b> Geom transform <b>CS</b> Geometry 3	<b>ZF</b> Number theory 4 <b>YS</b> Inequalities <b>PR</b> Geom ineqs <b>PS</b> Probab combin	ELMO  Mock IMO 2
Team contest 2	Test 4	<b>AP</b> $[x]$ & $\lceil x \rceil$ <b>CS</b> Geometry <b>YS</b> Cplx numbers <b>ZF</b> Number theory	Test 5	<b>CS</b> Geometry <b>AP</b> $[x]$ & $\lceil x \rceil$ <b>PS</b> Graph theory 1 <b>ZF</b> Geometry 2	Test 6	ELMO coordin
Test review	Study time	Test review	Study time	Test review		

Sun Jun 27	Mon Jun 28	Tue Jun 29	Wed Jun 30	Thu Jul 1	Fri Jul 2	Sat Jul 3
<i>(W196: red)</i> <i>(W193: green)</i> <i>(W130: blue)</i> <i>(W106: black)</i>	<b>RG</b> Geom transform <b>YS</b> Trig tricks <b>PS</b> Graph theory 2 <b>PR</b> Geom ineqs	<b>PS</b> Graph theory 2 <b>PR</b> Geom ineqs <b>AP</b> Extrem princ NT <b>RG</b> Geom transform	Students depart			
ELMO coordin	<b>YS</b> Trig tricks <b>RG</b> Geom transform <b>AP</b> Multiplicative NT <b>PS</b> Algeb combin	<b>PR</b> Geom ineqs <b>PS</b> Graph theory 2 <b>YS</b> Polynomials <b>AP</b> Extrem princ NT				
Team contest 3	Test 7	<b>ZB</b> Functional eq <b>DBR</b> Geometry <b>PS</b> Adv combin <b>RG</b> Algebra				
	Test review	Awards ceremony / Hall of fame				