List below contains suggestions. Students are welcome to propose other topics which may better suit their interests.

1. Fibonacci numbers.
2. RSA cryptosystem.
3. P vs. NP.
4. Compass and ruler constructions.
5. Euler tours and Hamiltonian cycles.
7. Cantor set.
8. Riemann integral.
9. $\pi$.
11. Solvability of algebraic equations in terms of radicals.
14. Cauchy’s Theorem.
15. Balls and bins.