

Safe concept - idea form

*** Complete the form by typing. A form filled out in handwriting will not be checked.

SCHOOL NAME		MUNICIPALITY	
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TEACHER'S NAME	TELEPHONE NUMBER	EMAIL

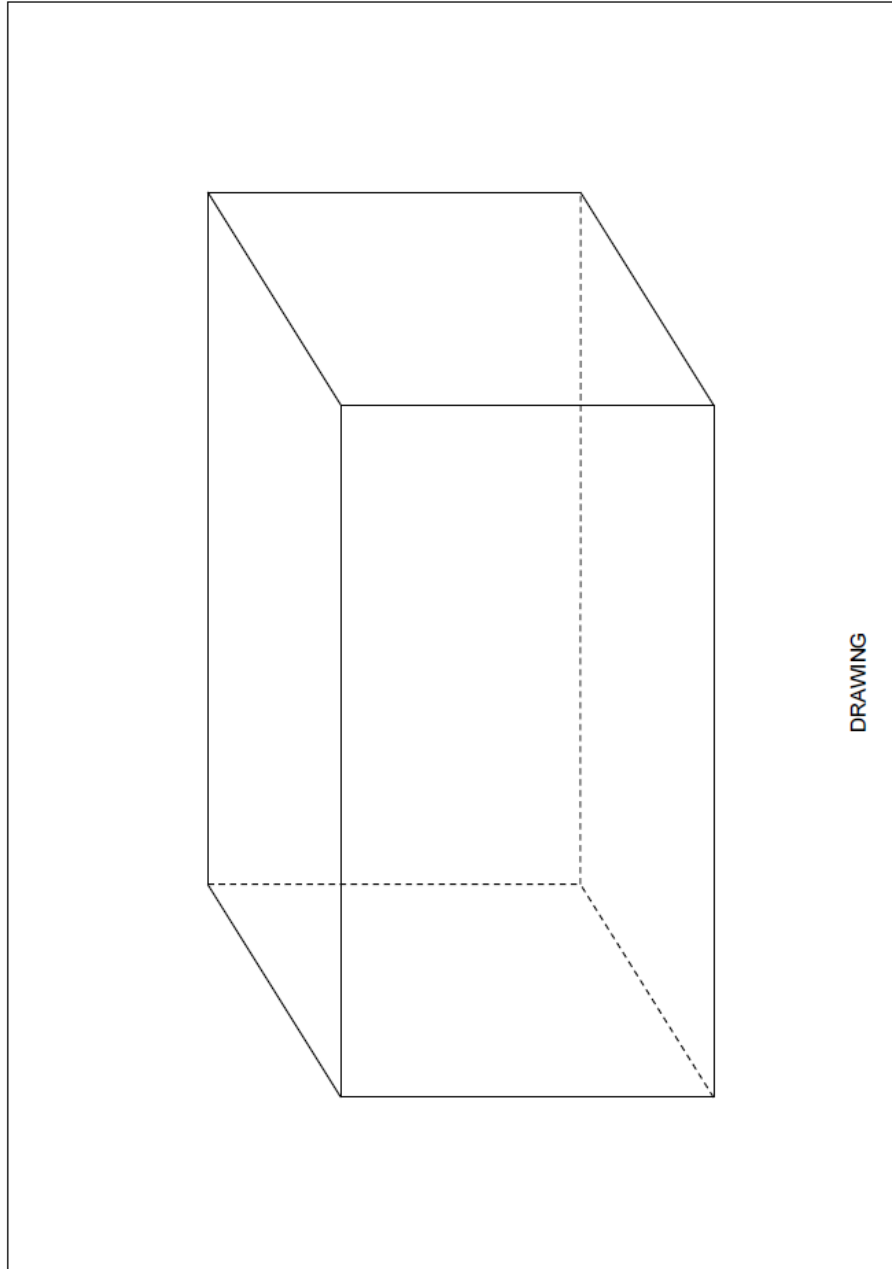
TEAM MEMBERS	NAME	CLASS	TELEPHONE	EMAIL
1 (CONTACT)				
2				
3				
4				
5				

NAME OF SAFE	
MAIN PHYSICS PRINCIPLES NEEDED TO CRACK THE SAFE (WHAT THE 'BURGLARS' SHOULD KNOW IN ORDER TO BE ABLE TO BREAK INTO THE SAFE AND WHY SOMEONE WHO IS NOT STUDYING PHYSICS WILL NOT BE ABLE TO OPEN IT BY TRIAL AND ERROR OR COMMON SENSE)	

- Are there safety issues with what you intend to build? If you plan to use a fire source, high-energy lasers, etc., how will you ensure that no damage will be caused to people and the environment?



A **CLEAR** DRAWING OF THE SAFE – SHOULD BE MADE USING AN APPROPRIATE SOFTWARE. **MANUAL DRAWINGS WILL NOT BE ACCEPTED.** ADDITIONAL PAGES MAY BE INCLUDED AS NEEDED. PLEASE ATTACH THE PICTURE WHEN SUBMITTING THIS FORM. EXAMPLE BELOW



VERBAL DESCRIPTION OF SAFE STRUCTURE



SAFE CRACKING PROCEDURE – SEQUENCE OF ACTIONS TO SUCCESSFULLY BREAK INTO THE SAFE	
ACTION	RESULT

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DESCRIBE THE INITIAL EXPERIMENTS YOU WILL DO TO CHECK IF THE CONCEPT ON WHICH THE SAFE IS BASED IS FEASIBLE. MENTION EXPERIMENTS YOU'VE ALREADY CONDUCTED