

Do you feel risky?

Goal: developing the sense of riskiness and the diversification of investments.

Didactical link: Maths

Necessary: fake banknotes (twelve of 100€, twelve of 20€, twelve of 10€), twenty small paper sheets “bond – 10 euros”, twenty small paper sheets “Airlines stock”, twenty small paper sheets “Transportation stock” and one dice. (you can either create materials by yourselves or take banknotes from the next page).

Play of the game: teacher needs to divide the class into teams (two, three or four) and gives to each of them 30€ of banknotes, then photocopy and hang to the blackboard the results table (see below). Now the teacher writes the stock price on it: Airlines 10€, Transportation 10€. The banknotes and the small sheets left are deposited in the teacher's cash register. Now the activity may start. Each team, in turn, may do these actions:

- Buy one or more bonds, paying them 9€ each.
- Give back bonds, bought in the previous turn, receiving 10€ back.
- Buy and sell one or more Airlines or Transportation stocks, paying them at the price written on the blackboard.

Then, at the end of each turn, the teacher rolls the dice for Airlines, consults the results table and consequently modifies the price on the blackboard. If the dice gives an even number, the teacher needs to give to each team 1€ of dividend per owned stock of Airlines. The same is done for Transportation.

Example: it is the third turn and the *tigers' team* has 8€ by cash, one stock of Transportation and two bonds bought the previous turn. The Airlines' value is 7€, the Transportation's value is 12€. Tigers give back the two bonds, receiving from their teacher 20€, then they sell the Transportation stock for 12€ and buy two bonds and three stocks of Airlines. At the end of this turn, the teacher rolls the dice for the Airlines, obtaining 4: the results' table gives +2, so the stock price moves from 7 to 9, and the teacher needs to correct it. Further, since the result is even and Tigers have three of those stocks, the teacher gives them 3€ of dividends. Lastly, the dice for Transportation is rolled: it gives 1, so the stock price decreases from 12 to 10. If more teams want to buy the same type of stock or bond simultaneously and the paper sheets in the cash register are not enough, the teacher needs to distribute them in equal parts; the remaining ones will be attributed once at a time to the team which, rolling the dice, obtains the highest result. If the stock value decreases under 6€, that firm does not distribute dividends until the value increases above 6€ again. If the value arrives at zero, all the Stocks of that type are given back to the cash register, leaving the game. Then the next turn may begin.

End of the game: when the 10th turn is over, teams convert their own stocks to the price shown on the blackboard, so teachers can identify the team with more money. Then, the class can comment and discuss the behaviour adopted by each team to understand if it was better to invest money in stocks, more risky, or in bonds, a safer financial instrument.

Results' table		
1	Stock value	-2
2	Stock value	-2
3	Stock value	+1
4	Stock value	+2

5	Stock value	+2
6	Stock value	+3

