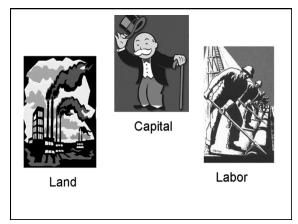


Resources: The Factors of Production



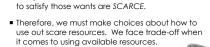
- Economists classify resources into 4 categories
 - Land
 - Natural Resources
 - The payment for the land is RENT
 - 2. Labor

 - Human resources
 The payment for labor is WAGES
 - 3. Capital (a product of Investment)
 - Tools, Machines, Factories
 The payment for Online
 - The payment for Capital is INTEREST
 - 4. Entrepreneurship
 - The special ability of risk-takers to combine land, labor and capital in new ways in order to make profit
 The payment for Entrepreneurship is PROFIT









- Example:
- Assume flour is a scarce resource:
- 3 cups of four can be used to make a loaf of bread or a cake, but the 3 cups cannot be used to make both.



What is your cost?

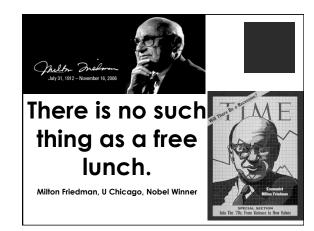


- Once a resource or factor of production has been put into use, an opportunity cost has incurred.
- Opportunity cost is the <u>next</u> best alternative use for a resource.
- Example:
- If the 3 cups of flour are used to bake bread, then the opportunity cost is the cake that could also have been baked with the three cups of flour.

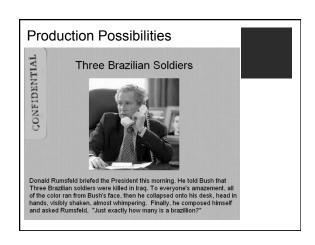


Opportunity Cost

■No matter what we do with out time or resources, we ALWAYS incur opportunity cost!!!!



Everything has a cost. NORE PEOPLE ARE DESIGNED THAT'S BECAUSE IT'S FREE. IT'S FREE. A STATE OF BUSINESS OF THAT'S BECAUSE IT'S FREE. A STATE OF BUSINESS OF THAT'S BECAUSE IT'S FREE.



When faced with SCARCTY of resources, decisions have to be made about how to use these resources

Trade-Offs
Opportunity Costs

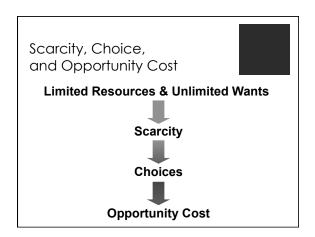


Trade-Offs

This is the decision making process that is occurring in your mind right now!

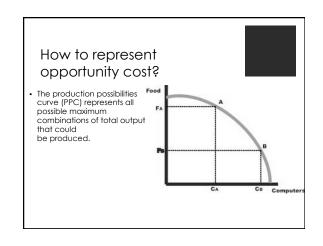
- Am I going to pay attention to what Coach Felder is saying, or am I going to daydream?
- Am I going to come to class or go buy a lottery ticket?
- Am I going to stay in school or go find a full time job?
- Each and every decision you make has a cost!! Not necessarily a cost in dollar terms, but a cost in that you must give up something in order to get more of something else.

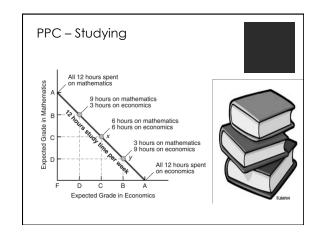


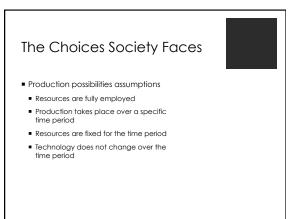


Scarcity and Choice for the Economy as a Whole ■ Consumption vs. Investment Movies Computers ■ Opportunity cost of producing 200 movies instead of 100 movies is 2,000 0 25,000 computers 100 24,000 OC of making 300 movies instead of 200 movies is 4,000 computers 200 22,000 OC of making 400 movies instead of 300 is 5,000 computers 300 18,000 OC of making 500 movies instead of 400 is 13,000 computers 400 13,000 500 0

Because OC continues to go up as we make
novies, it is called SING opportunity



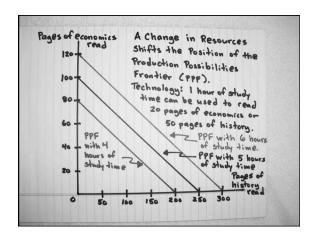


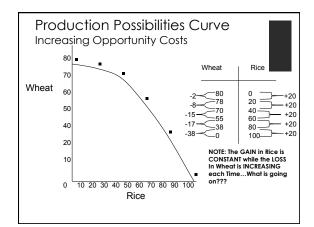


Production Possibilities Curve (PPC)



- What would happen to the production possibilities curve if you spent more time studying?
- Let's say instead of 12, you had 20 hours to study
- What would happen to your potential grades?
- What if the subjects overlapped like English and History or Speech?





Production Possibilities Curve Increasing Opportunity Costs

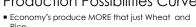


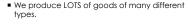


We have <u>INCREASING OPPORTUNITY COSTS</u> of producing Rice in terms of Wheat



Production Possibilities Curve





- We can broadly categorize goods into TWO categories
- Capital Goods and Consumer Goods





The best way to illustrate Trade-Offs and Opportunity Costs is to use a

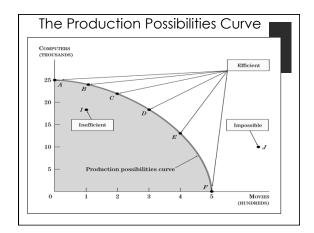
Production Possibilities Curve

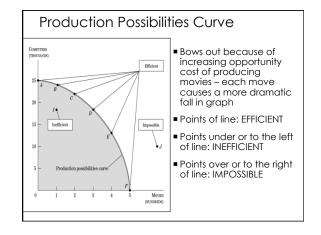
■ The PPC shows the relationship between two goods:



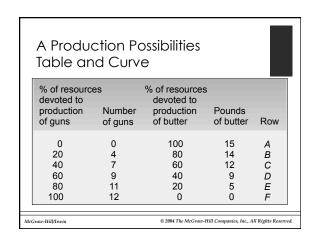
- Goods that satisfy our wants <u>INDIRECTLY</u> and promote future growth or "happiness"
- Delayed gratification
- 2. Consumer Goods
 - Goods that satisfy our wants **DIRECTLY**
 - Instant gratification

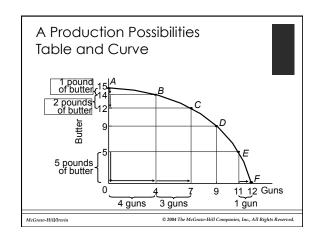


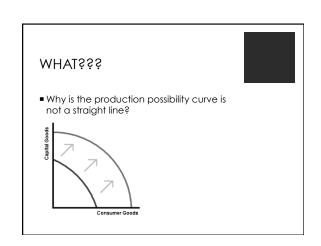




The Production Possibility Table • Output – an output is simply a result of an activity. • Input – an input is what you what you put into a production process to achieve an output.







Increasing Marginal Opportunity Cost

- The principle of increasing marginal opportunity cost states that opportunity costs increase the more you concentrate on an activity.
- In order to get more of something, one must give up ever-increasing quantities of something else.

Efficiency

■ In production, we'd like to have **productive efficiency** – achieving as much output as possible from a given amount of inputs or resources.

Efficiency



Involves achieving a goal as cheaply as possible.



Efficiency

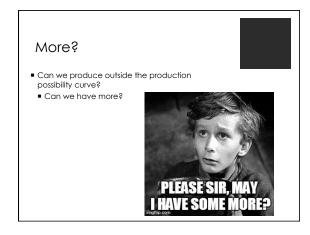
- Any point within the production possibility curve represents inefficiency.
- Inefficiency getting less output from inputs which, if devoted to some other activity, would produce more output.

Efficiency

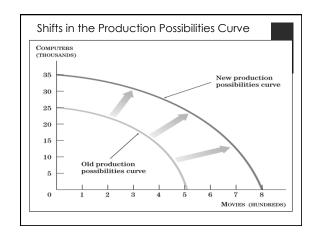
 Any point outside the production possibility curve represents something unattainable, given present resources and technology.

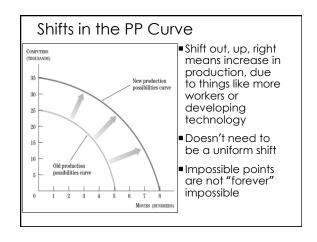


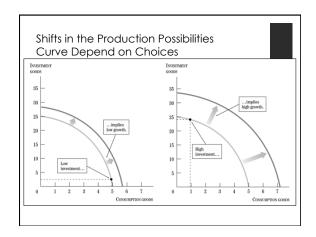
Efficiency and Inefficiency Unattainable point, given available technology, resources and labor force Efficient points Inefficient A Butter

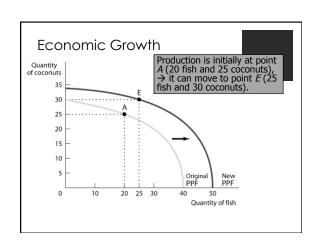


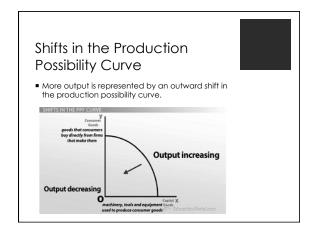


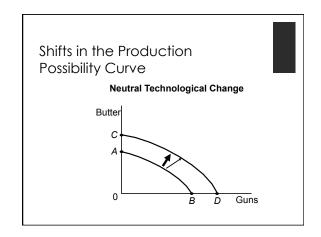


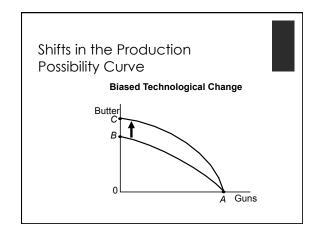


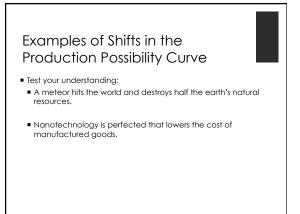












Examples of Shifts in the Production Possibility Curve Test your understanding A new technology is discovered that doubles the speed at which all goods can be produced. Global warming increases the cost of producing agricultural goods.