

## **Catan: Economics Assignment**

You will be playing an exhilarating round of the famous board game called Settlers of Catan!

### **Rules of the Game**

- In the game, your task is to gain 10 points by building settlements, upgrading them to cities, and achieving different distinctions!
- Points are received for the person with the largest road, as well as the person with the largest armies.
- Players can expand their settlements by building the resources that they have access to.
- Players receive resources based on dice rolls. Players may also trade amongst each other.
- Development cards may also be purchased and can provide special actions that a player may take.
- Refer to the rule booklet for more information!

### **Your Task**

- After completing a full play through of the game (you may play multiple times if you wish!) you will chronicle your development as a settler of Catan!
- Create a table to indicate the number of each resource you have at each turn. Indicate any trades you made during your turn. Share this data with your group at the end of the game.
- Examine the game you just played and create a timeline of the events that happened.
- Relate each key event (at least 7) to your economics class and attach economic principles to explain why an event played out as it did.
- Create a supply and demand graph for each resource throughout the game.

### **Questions to Consider**

- *Are you able to make connections to your economics class?*
- *Are you able to clearly elaborate the different events?*
- *What made the event a key event?*
- *What are the economic concepts learned in class that relate to the game of Catan?*

## Check-Bric

<b>Knowledge &amp; Understanding</b>  Timeline includes 7 events explained in detail (1 mark per event)  Economic principles that are introduced in the report are well defined	□□□□□□  □□□□□
<b>Application</b>  Report explained the different factors that changed the price of a resource during the game  The timeline is well represented in the report	□□□□□  □□□□□
<b>Communication</b>  Correct use of used spelling, grammar, syntax, punctuation and form in my report (-0.5 mark per mistake)	□□□□□
<b>Thinking &amp; Inquiry</b>  The report includes a supply and demand graph for each resource during the course of the game. It includes all the factors considered in class.  An explanation of why each key event occurred is included in the report (1 mark per event)  I have completed a playthrough of the game.	□□□□□  □□□□□□□  □
<b>Total</b>	<b>/40</b>

**Self-Evaluation:** Please assign yourself a score by circling the level you feel you have achieved.

<b><u>Learning Skills and Work Habits</u></b>	<b>Needs Improvement/Satisfactory/Good/Excellent</b>
<b>Responsibility</b> <ul style="list-style-type: none"> <li>I have completed all of my tasks on time</li> </ul>	<b>N   S   G   E</b>
<b>Independent Work</b> <ul style="list-style-type: none"> <li>I have come prepared to work on my report when given time.</li> </ul>	<b>N   S   G   E</b>
<b>Initiative</b> <ul style="list-style-type: none"> <li>I have sought guidance/clarification when necessary and helped my group as necessary.</li> </ul>	<b>N   S   G   E</b>
<b>Organization</b> <ul style="list-style-type: none"> <li>I have submitted all components of the report.</li> </ul>	<b>N   S   G   E</b>
<b>Collaboration</b> <ul style="list-style-type: none"> <li>I have worked well with my fellow game mates and provided feedback for others' progress.</li> </ul>	<b>N   S   G   E</b>
<b>Self-Regulation</b> <ul style="list-style-type: none"> <li>I have used class time effectively to complete my report.</li> </ul>	<b>N   S   G   E</b>

### **Teacher Considerations: Expectations**

#### **B. Fundamentals of Economics**

- B1. Scarcity and Choice: analyse the relationship between scarcity and choice and how these considerations affect economic decision making (FOCUS ON: Economic Significance; Cause and Effect)
  - B1.1 explain the concepts of scarcity and opportunity costs, and analyse how individuals, governments, and organizations apply these concepts as they make economic choices (e.g., the opportunity costs of a firm deciding to invest in research and development rather than adding to its immediate profits, or of a government using limited resources to pay down the debt, invest in infrastructure, or increase funding for social programs)
  - B1.3 analyse how the scarcity of the factors of production (i.e., land, labour, capital, entrepreneurship) influences productivity and specialization
  - B1.4 explain how needs (e.g., clean water, food, shelter, leisure time), wants (e.g., designer jeans or running shoes, a new smartphone, sweatshop-free clothing, fair-trade produce), and values (e.g., fairness, individualism, community mindedness) influence consumer decisions

#### **C. Economic Challenges and Responses**

- C1. Market Systems: analyse how various factors, including the practices of different stakeholders, affect markets and the value of goods (FOCUS ON: Cause and Effect; Economic Perspective)
  - C1.1 apply supply and demand models to analyse how price is influenced by different factors (e.g., technology, advertising, weather, shortages of raw materials)