Nestore Mangone & Simone Luciani

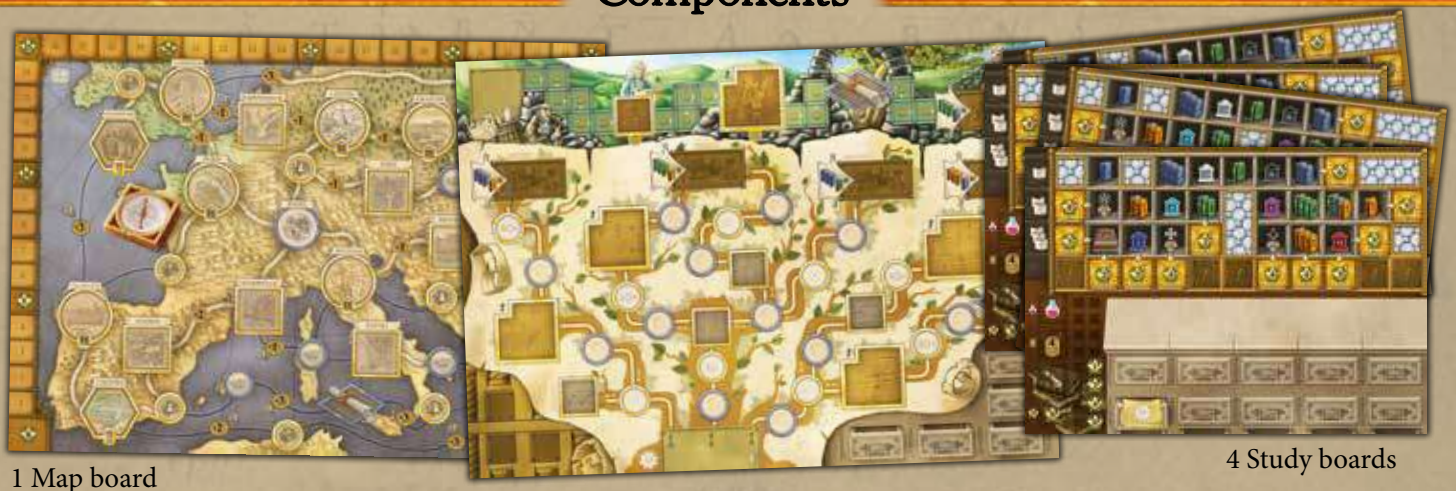
NEWTON

Rulebook

The Eighteenth Century is a time of great scientific discoveries, as well as exciting research into mysterious and as yet unknown fields. Competition in the academic world is ruthless... above all for young scholars such as yourselves! In order to follow in the steps of the great Newton you must devote yourselves to undertaking new research and increasing your knowledge in order to become the most highly respected scholar in the world's scientific community!

You will travel through Europe visiting cities, universities and ancient lands which were once seats of vast and mysterious knowledge. Devote yourselves to studying the works of the great scholars who have gone before and learn new things in academic lessons. Experiment original theories to arrive at revolutionary technological inventions. Work hard to provide economic support for your research... and try to gain the backing of the great contemporary Masters!

Components



1 Map board

1 Tracks board

4 Study boards



10 Objective tiles



10 Specialization tiles



12 Income tiles



4 Medicine Income tiles



20 Potion tokens



48 Bookshelf tiles
(12 for each color)



32 Coins
(of values 1 and 5)



18 Bonus tokens



3 Ancient Land tiles



10 Invention tiles



20 Development tiles



7 City tiles



6 University tiles



16 Students
(4 for each color)



4 Scientists
(1 for each color)



20 Master cards



24 Starting Action cards
(6 for each color)



45 Action cards
(15 for each level)



4 Summary tiles



8 Player Markers
(2 for each color)



48 Travel cubes
(12 for each color)



1 First Player token

Setup

1. Place the **Map** and the **Tracks board** in the center of the table.

2. Randomly place all the **City**, **University** and **Ancient Land tiles** in the appropriate spaces *(those with the same shape)* on the Map.

3. Shuffle the **Specialization tiles** then draw 5 of them and randomly place them on the appropriate spaces *(those with the same shape)* on the Tracks board. Place the remaining Specialization tiles back in the box.

4. Shuffle the **Objective tiles**, draw 6 of them and randomly place them on the appropriate spaces *(those with the same shape)* on the Map and Tracks board. Place the remaining Objective tiles back in the box.

5. For a 4-player game randomly place all the **Bonus tokens** on the appropriate spaces *(those with the same shape and a gold border)* on the Map and Tracks board. For a 3-player game do not place any tokens on the spaces marked with a 4. In a 2-player game do not place any Bonus tokens on the spaces marked with a 4 or 3+. In a 1-player game do not place any Bonus tokens on the spaces marked with 4, 3+ or 2+. Place the remaining Bonus tokens back in the box.

6. Shuffle the **Invention tiles** then draw 5 of them and randomly place them on the appropriate spaces *(those with the same shape)* on the Tracks board. Place the remaining Invention tiles back in the box.

7. Divide the **Income tiles** by type *(according to the symbol on the front)* and place them faceup on the appropriate spaces on the Tracks board.





8 Place the **Medicine Income tiles** on their space on the Map, with the side showing 1 Victory Point faceup.

9 Place the **Coins** and the **Potion tokens** on the table to form a common pool. Coins and Potion tokens are considered to be unlimited *(in the very rare case you need more of them, use some other item).*

10 Divide the **Action cards** by level *(according to the symbol on the back)*, shuffle each of the 3 decks separately and place them facedown on the table. Draw 3 cards from each deck and place them faceup next to the relative decks to form 3 lines. For a 1-player game draw 2 cards from each deck instead of 3.









11 Divide the **Development tiles** by type *(according to the symbol on the front)* and place them faceup on the appropriate spaces on the Tracks board.

Player Setup

Choose a color and:

A. Randomly choose a **Study board** and place it in front of you.

B. Take the 12 **Bookshelf tiles** of your color and place 3 tiles in each of the appropriate spaces on your Study board.

C. Take the 12 **Travel cubes** of your color and place 1 in each of the appropriate spaces on your Study board.

D. Take the 6 **Starting Action cards** of your color.

E. Take the **Scientist** of your color and place it on the Map in the starting space of Basel.

F. Take the 4 **Students** of your color, place 1 of them in the starting space of the Technology track on the Tracks board and place the other 3 next to your Study board.

G. Take the 2 **Markers** of your color. Place 1 of them in the starting space of the Work track on the Tracks board and place the other on the Map in the space marked '0' on the Victory Points track *(see previous pages for points E, F and G)*.

H. Take 1 **Summary tile** and place it next to your Study board. Place the remaining Summary tiles back in the box.

I. Take 2 **Coins** and place them next to your Study board.



J. Randomly choose who will be the first player, and give them the **First Player token** *(for a 1-player game the token is not used)*.

K. Shuffle the **Master cards** and deal 4 to each player. Place the remaining Master cards back in the box.

- For your first game, keep the Master cards you receive.
- For following games: all of the players simultaneously choose 1 card to keep and pass the remaining cards to the player on their left. Continue doing so until all players have 4 Master cards.
- For a 1-player game: draw 6 Master cards and choose 4 to keep.

How to Play

A game is played over **6 rounds**, each of which is divided into **2 phases:** the Action phase and the End Round phase. In the Action phase players place cards on their desk, on the Study Board, in order to perform various actions. At the end of the round they have to move one of the cards they have played under their desk: this card can no longer be played, but the symbol on it will increase the value of that action when it is performed later in the game. Players receive Victory Points as an immediate bonus, as income during the game, or from Objective tiles and Master cards at the end of the game. At the end, the player with most Victory Point wins!

Action Phase

During the action phase players play one turn after another in a clockwise direction starting from the first player.

On their turn **each player must play 1 Action card** from their hand onto the desk on their Study board, and **they may, if they wish, perform any number of Quick actions** *(see page 9)*.

Every Action card has a **Basic Action Symbol in its lower half**, and may or may not have a **Special Effect symbol in its upper half** *(see page 14)*.

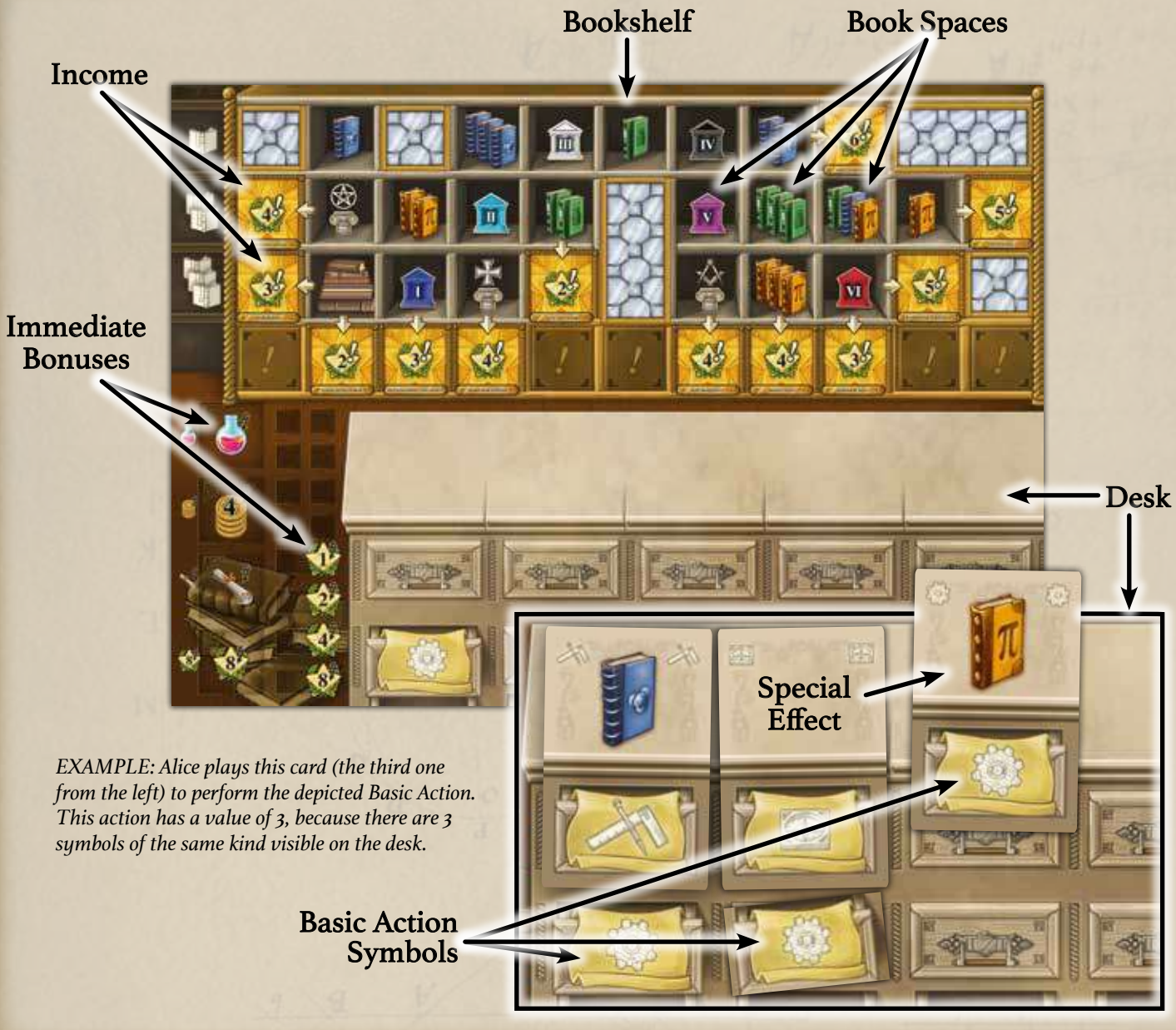
To play an Action card take it from your hand and **place it on your desk** in the first available space from left to right. Then **perform the Basic Action and apply the Special Effect if there is one**. If you wish you can decide not to perform the basic action and/or not to apply the special effect.

You can perform a card's Basic Action, apply its special effect and perform Quick Actions in the order that you wish.

The value of a Basic Action is the same as the total number of symbols of that same particular action that are visible on your desk, including the one on the Action card that you have just played.

Important! You can always choose to perform a Basic action at a lower value *than the total number of symbols of that action visible on your desk.*

In the following pages we will describe all the Basic Actions *(pages 6 to 8)*.



EXAMPLE: Alice plays this card (the third one from the left) to perform the depicted Basic Action. This action has a value of 3, because there are 3 symbols of the same kind visible on the desk.

Work

Move your Marker forward on the Work track by a number of spaces equal *(or inferior)* **to the value of the action.**

Receive a number of Coins equal to the value of the Action. Take the Coins from the common pool and add them to your personal supply.

If you have already reached the last space on the Work track you can still perform the Work action to receive Coins without moving your Marker.

In order to activate the effects of a Special space on the track, your Marker must end its movement in that exact space. *(For the effects of tiles and the Master space, see page 12 onwards.)*

If, in order to finish your movement on one of the special spaces and apply its effects, you choose to move your Marker by a value which is lower than the total number of symbols visible on your desk, you can only receive a number of Coins equal to the number of moves your Marker makes.

In order to move your Marker into the Objective space at the end of the track, you must meet the requirement depicted next to it *(see page 9).*



EXAMPLE: Sarah performs a Work action at a value of 3, but she decides to move her Marker only by 2 spaces to activate the Special Space. She receives 2 Coins and moves her Marker forward by 2 spaces.

Technology

Move ONE of your Students forward on the Technology track by a number of spaces equal *(or inferior to)* **the value of the action.**

The technology track starts in one space but then splits into different paths. When you move your Student from the starting space and each time that you find yourself at a fork in the road you will have to choose which path you wish to take. The 6 final spaces on the track are marked with the highlighted symbol.

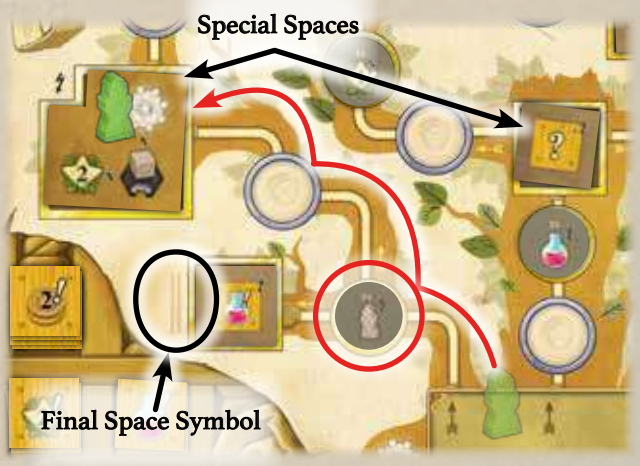
Your Students can only move forwards. They cannot turn back down a path.

You cannot move more than one Student in the same action, that is, you cannot split the value of an action between Students. If you do not have any Students on the track or on the starting space you cannot perform a Technology action.

When your Student passes over a Bonus token, take it and activate its effect. In order to activate the effects of a special space on the track your Student must end its movement in that exact space. *(For the effects of tiles and the Master space, see page 12 onwards.)*

In order to move your Student into the Objective space *(at the end of 4 of the paths)* **you must meet the requirement depicted next to it** *(see page 9).*

There cannot be more than one Student of the same color on the last space of a path. However, there is no limit to the number of Students that can occupy the same space along the path.



EXAMPLE: Alice performs the Technology action at a value of 3. She decides to move the Student depicted. After the first step, she takes and activates the Bonus token; then she decides to take the route on the right to end the movement on the Special Space and activate it.

Travel

Move your Scientist along the routes on the Map by a number of spaces equal *(or inferior)* **to the value of the action.**

Each time that you move your Scientist along a route which has a cost to be paid in Coins you must first pay the number of Coins indicated.

On the Map there are different types of places connected by routes. There are 6 Universities, 3 Ancient Lands, 7 Cities, 14 Villages, 1 Master space, 1 Objective space and the starting space. The routes pass over land, sea, or both, and some have a cost in Coins.

When your Scientist passes over a Bonus token, take it and activate its effect. If your Scientist finishes its movement on a City, University, Ancient Land, Objective or Master space, take a Travel cube from your Study board and place it on that space. *(For the effects of tiles and the Master space, see page 12 onwards.)*

You must take the Travel cubes from your Study board from top to bottom and from right to left. When you place your 9th/10th/11th/12th Travel cubes, you immediately receive 1/2/4/8 Victory Points respectively.

There cannot be more than 1 Travel cube of each color in the same space. There is no limit to the number of Scientists which can occupy the same space on the Map.

In order to move your Scientist into the Objective space, you must meet the requirement depicted next to it *(see page 9)*.



EXAMPLE: Frank performs a Travel action at a value of 4, but he decides to move his scientist by only 3 spaces to end the movement in Istanbul. After the second step, he takes and activates the Bonus token; then he places one of his Travel cubes on the City tile.

Lessons

Take ONE of the available Action cards with a value equal *(or inferior)* **to the value of the action played and add it to your hand.** You can play it from the next turn. Don't replace the card that you have taken: Action cards will be replaced during the End Round phase (*see page 10*).

The value of an Action card corresponds to the number of Lessons symbols shown on the back of the card.

Important! As you have to place an Action card under your Study board at the end of every round (see End Round Phase, page 10), it is extremely important to get new Action cards to avoid not having any cards to play later in the game! Remember that Action cards which are not Starting Action cards always feature a special effect which will give you a greater variety of options (see special effects on page 14).

You cannot take more than one card in the same action, that is, you cannot split the value of an action between cards.

If you do not have any Action cards in your hand when it is your turn, you cannot perform Basic Actions!



EXAMPLE: Sarah performs a Lessons action at a value of 2. She can take one of the highlighted cards.

Study

Take ONE of your Bookshelf tiles and place it on your Study board in a book space of your choice on a shelf of a value equal *(or inferior)* **to the value of the action.**

The bookshelf on your Study board is composed of book spaces *(squares)* distributed over 3 shelves *(on horizontal lines)*, each of which has a different value *(1/2/3 Study symbols)*. Each book space shows a requirement *(see below)*. The spaces on the bookshelf showing a windowpane divide the rows and columns of book spaces. The bookshelf tile printed in the bottom left-hand corner of the bookshelf is considered already placed. When all the adjacent book spaces in a row or column have been filled, you have made a scientific discovery, and can receive its income in Victory Points according to the number indicated by the arrow. At the bottom of the bookshelf there are 5 spaces for Income or Medicine Income tiles.

In order to place a Bookshelf tile you must meet the requirement shown in the book space where you want to place it *(for requirements, see next page)*.

Bookshelf tiles must be taken from your supply from top to bottom. When you take the third Bookshelf tile from a pile you immediately receive a bonus *(1 Potion token/ 4 Coins/1 Master card/8 Victory Points)*.

You cannot place more than one Bookshelf tile in the same action, that is, you cannot split the value of an action between book spaces. If you do not have any Bookshelf tile left in your supply you cannot perform a Study action.

If you complete a row or column of book spaces you receive its income in Victory Points according to the number indicated by the arrow on that row or column *(see End Round Phase, page 10)*.





EXAMPLE: Frank has visited the University of Bologna (II).

Frank performs a Study action at a value of 2. He takes his first available Bookshelf tile to place it on his bookshelf and he immediately receives 1 Potion token. He is able to place the bookshelf tile on one of the highlighted book spaces because he meets both of their requirements (he has visited the University II and he has a blue Volume on his desk). He decides to place it on the blue Volume space to activate that column income. During the end round phase of the current round, and of all following rounds, he will receive 2 Victory Points.

Joker

Action cards with a Joker symbol can be used to perform a basic action of your choice.

The value of the action you choose to perform is equal to the total number of symbols of that action visible on your desk plus 1 *(for the Joker played)*. When the Joker has been played the Joker symbol visible on your desk is never counted when calculating the value of actions performed later in the game.

The Joker symbol is not counted towards the value of an action even if the Joker is placed under your Study board at the end of a round *(see End Round Phase, page 10)*.



EXAMPLE: Sarah plays the Joker card to perform a Travel action. That action has a value of 4, because there are already 3 symbols of that action visible on the desk.

Requirements, Volumes and Potions

In order to place Bookshelf tiles and to be able to activate Objective tiles, you must meet the requirements shown *(Volumes, University or Ancient Land)* in the book or Objective space.

In order to meet a University or Ancient Land requirement, you must have visited the University or Ancient Land shown on their space *(one of your Travel cubes must be on that space)*.

In order to meet a Volumes requirement, you must have those Volumes available, that is, they must be visible on your desk *(or on a Master card that you have played)*. You can use any available Volume to meet different requirements during the same round.

Whenever you have to meet a requirement *(during a Study action or to activate an Objective tile)*, **you can spend Potion tokens in order to meet that requirement more easily in the following ways:**



You can spend 1 Potion token in place of one Volume which is required *(by a book space or by an Objective tile)*. You can replace multiple Volumes by spending 1 Potion token for each.



You can spend 3 Potion tokens in place of one University or Ancient Land which is required by a book space.

Quick Actions

Before, during or after performing a Basic Action, you can spend Coins to perform any number of the following quick actions.



Turn over 2 Action cards from a deck. Cost: 1 Coin. Repeatable.

Spend 1 Coin. Draw the first 2 Action cards from a deck of your choice and place them faceup next to the relative deck.



Leave the Action cards drawn where they are. There is no limit to the number of cards available in a line.



Increase the value of a basic action. Cost: 2 Coins. Only once per turn.

Spend 2 Coins. Add 1 to the value of the Basic Action you are performing. This quick action can only be applied once per turn and can only increase the value of a basic action that you are performing thanks to an Action card. You cannot pay 4 Coins to increase an action's value by 2, nor is it possible to increase the value of a basic action being performed with an Invention tile or a Master card *(see page 13 and 15)*.



Buy a Potion token.
Cost: 3 Coins. Repeatable.

Spend 3 Coins. Take 1 Potion token from the common pool and add it to your personal supply.



Enroll a new Student.
Cost: 5 Coins. Repeatable.

Spend 5 Coins. Take a Student from your personal supply and place it in the starting space of the Technology track.



EXAMPLE: Sarah plays the Joker card to perform a Travel action and she spends 2 Coins to increase that action's value. That action has a value of 5 (3 visible symbols on the desk + 1 for the Joker + 1 for the quick action).

End Round Phase

The action phase ends when all players have played 5 turns *(this is shown by the players' desks which will be filled with Action cards)*.

The end round phase can be played simultaneously by all players to speed up the game play.

Each player must choose ONE of the Action cards they have played and place it under their Study board in correspondence with the first column of free drawers from the left of the desk.

The special effects of the cards under the desk can no longer be used in the rest of the game.



Next, all players take the rest of the cards they have played back in their hands.

All players then receive all the active income from the Bookshelf on their Study boards.

If you receive Victory Points, move your Marker along the Victory Points track by a number of spaces equal to the number of points received.

Active income may come from complete rows or columns on your Bookshelf or by Income tiles placed on your Bookshelf.



EXAMPLE: Alice receives the following income: 2VPs and 4 VPs for completed row and column; 1VP for the Medicine Income tile, 1 Potion token for the Income tile.

All the available Action cards *(facing up)* **in each line are put back at the bottom of the relative deck. Draw 3 new cards from each deck** *(in a 1-player game, only draw 2 cards from each deck)*. The cards are limited: if you don't have enough cards to fill a line, just leave that line uncompleted.

The First Player token passes to the next player in a clockwise direction.

End of the Game

The game ends after the end round phase of the sixth round. The number of rounds played can be seen by the number of Action cards that have been placed under the players' Study boards. When you have placed the fifth Action card under your desk *(filling the available spaces)* you have finished the action phase of the fifth round: play for one more round!

Each player receives Victory Points for the Objective spaces occupied by any piece of their color *(a Travel cube, a Student or a Marker)*.

Players also receive the Victory Points shown on the Master cards that they have played during the game.

The player with the most points wins. In case of a tie, the tied players share the victory.

1-Player Scoring

At the end of the game, compare your score with the table shown below to see how much academic glory you have managed to receive!

Victory Points	Level Reached
0 - 40	Illiterate
41 - 50	Scribe
51 - 60	Student
61 - 70	Scholar
71 - 80	Professor
81 - 90	Dean
91 - 100	Luminary
101 - 110	Master of knowledge
110 - 120	Genius
120+	Science Legend







EXAMPLE: Alice ends her game in the depicted situation. She has Travel cubes on Bologna, Paris, Leipzig, Amsterdam, Napoli, Athenai, Istanbul, Krakow and on the Objective space; she has Students on the depicted Objective spaces of the Technology track and her Marker is on the Objective space on the Work track; she has played the depicted Master cards and collected the depicted Bonus tokens; she received 34 VPs during the game.At the end of the game she receives for these fulfilled Objectives:



12 VPs for visiting 4 Universities

10 VPs for collecting 5 Bonus tokens

12 VPs for playing 3 Master cards

5 VPs for visiting 1 Ancient Land

She also receives 11 VPs from the Master cards:



Her final score is 84 Victory Points!

Tokens, Tiles and Cards

In the following pages we will describe how all the components of the game work.

Bonus Tokens

Bonus tokens give an immediate bonus to the first player who manages to take them. Bonus tokens are found on the Map and on the Technology track.



When your Scientist or one of your Students passes over a Bonus token *(you do not have to finish your movement on the token)*, **take it, activate its effect and keep it next to your Study board.**

Receive the number of Coins shown.

Receive the number of VPs shown.

Receive the number of Potion tokens shown.

Place a new Student at the bottom the Technology track.

Specialization Tiles

Specialization tiles allow you to gain a bonus of an Income tile or Development tile.



When and only if, one of your Students *(on the Technology track)* **or your Marker** *(on the Work track)* **finishes their movement on a Specialization tile, take the corresponding tile** *(the shown Income or Development tile)* **and place it on your Study board** *(a tile with the ? symbol indicates a tile of the kind of your choice. Once chosen it cannot be changed)*.

Development Tiles

Development tiles are symbols which are added to the Basic Action shown on the tile. You need them to increase the value of that action every time that you perform it!



When you take a Development tile *(as an effect of a Specialization tile)*, **place it in one of the free drawer spaces in the second row of your desk.**

If all 5 of the drawers in your desk are already full you can substitute one of the Development tiles you placed earlier in the game.



Income and Medicine Tiles

Income tiles give you a bonus *(2 VPs, 2 Coins, 1 Potion token)* during the income phase of each round.

The Medicine Income tile gives you 1 or 3 VPs depending on the number of cities showing the medicine symbol you have visited *(see next page)*.



When you take an Income tile *(as an effect of a Specialization tile)*, **place it in a free income space in your bookshelf.** If all 5 of the income spaces on your bookshelf are already full you can substitute one of the Income tiles you placed earlier in the game.



Invention Tiles

Invention tiles give you an immediate bonus.

When and only if, one of your Students *(on the Technology track)* **or your Marker** *(on the Work track)* **finishes their movement on an Invention tile, you immediately receive the bonus indicated.**



Receive 1 Potion token and 6 VPs.



Receive 2 Potion tokens and 3 VPs.



Receive 5 Coins and place one of your Students at the bottom of the Technology track.



Receive 2 VPs and 2 Coins for every Master card you have played.



Receive 2 VPs for every University you have visited *(University tiles with one of your Travel cubes on them).*



Receive 2 VPs and perform a Technology Basic Action of value 1 for each Ancient Land you have visited.



Receive 1 VP and perform a Work Basic Action of value 1 for each completed row or column in your bookshelf.



Receive 2 Coins and perform a Study Basic Action of value 3.



Receive 2 VPs and perform a Lessons Basic Action of value 3.



Receive 1 Potion token and perform a Travel Basic Action of value 3.

Important! All the Basic Actions which are played as an effect of an Invention tile must be of a value equal *(or inferior)* **to that indicated on the tile.** You cannot increase the action's value by adding the number of the same symbols visible on your desk, or by spending 2 Coins.

City Tiles

City tiles give you an immediate bonus when you place a Travel cube on the tile *(at the end of your Scientist's movement or as the effect of a Master Card, see page 16)*.

When, and only if, you place a Travel cube *(at the end of your Scientist's movement or as the effect of a Master Card, see page 16),* **immediately receive the bonus shown.**



Receive 4 Coins.



Receive 2 Potion tokens.



Place a new Student at the bottom of the Technology track.



Pay 2 Coins and place a Travel cube on a University of your choice.



Pay 2 Coins and place a Travel cube on an Ancient Land of your choice.



City of Medicine: if this is the first City of Medicine that you have visited, take the Medicine Income tile from the Map and place it on one of the income spaces on your bookshelf with the 1 VP side faceup. If it is the second City of Medicine that you have visited, turn over the Medicine Income tile on your bookshelf so that 3 PV is facing up.

Objective tiles

Objective tiles enable you to receive Victory Points *(VP)* at the end of the game by meeting the conditions shown. There are Objective tiles on the Map, at the end of the Work track and at the end of 4 paths on the Technology track.

In order to activate an Objective space *(on the Map or at the end of a track)* **you must meet the requirement of having the 4 Volumes shown next to the space.**

If you arrive at an Objective tile with a piece in your color *(a Travel cube, a Marker, a Student)*, you activate that Objective: at the end of the game you will receive Victory Points according to the conditions shown on the tile.



Receive 1 VP for each Coin you have left in your supply at the end of the game. The maximum number of VPs you can receive is 14 *(even if you have more than 14 Coins)*.



Receive 2 VPs for each Potion token you have left in your supply at the end of the game. The maximum number of VPs you can receive is 14 *(even if you have more than 7 Potion tokens)*.



Receive 2 VPs for each Bonus token you have left in your supply at the end of the game. The maximum number of VPs you can receive is 14 *(even if you have more than 7 Bonus tokens)*.



Receive 3 VPs for each University you visited during the game *(the University tiles with one of your Travel cubes on)*. The maximum number of VPs you can receive is 15 *(even if you have visited more than 5 universities)*.



Receive 5 VPs for each Ancient Land you visited during the game *(the Ancient Land tiles with one of your Travel cubes on)*.



Receive 4 VPs for each of your Students which reached the end of a path of the Technology track during the game *(see page 6 for the final spaces on the track)*.



Receive 4 VPs for each Master card you played during the game.



Receive 4 VPs for every 3 Bookshelf tiles that you placed on your bookshelf during the game.



Receive 5 VPs for every 3 different Volumes that you have on the Action cards available to you at the end of the game *(both on those in your hand and on those which you played on your desk in the final round, but not those placed under your desk)* and on your Master cards. The maximum number of VPs you can receive is 15, even if you have more than 3 sets of 3 different Volumes. You cannot use Potion tokens to replace Volumes required by this Objective.



Receive 3 VPs for each pair of Action cards *(not Starting Action cards)* which are available to you at the end of the game *(both those in your hand and those which you played on your desk in the final round, but not those placed under your desk)*. The maximum number of VPs you can receive is 15, even if you have more than 5 pairs of *(not starting)* Action cards available.

The Special Effects of Action Cards

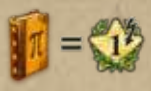
Action cards which are not Starting Action cards always have a special effect which is shown in their upper half.



Spend the amount shown on the left in order to receive that shown on the right.



1 Volume of your choice.



Receive 1 VP for each Volume of the color shown, available to you *(on your desk and on the Master cards you have played)*. You cannot use Potion tokens to replace Volumes required by this special effect.



Spend 3 Coins in order to place a second bookshelf tile in the same action. The value of the action must be split.
Example: Alice performs a Study action at a value of 3 playing this card. She can place 2 Bookshelf tiles on the first line or 1 in the first and 1 in the second.



Double the effect of the Bonus tokens that you collect performing the Technology action of this card.



Spend 2 Coins to move your Scientist to any free Village *(with a silver or gold border without Bonus tokens)*. You can apply this effect either before or after performing the Basic Travel action.



Apply the immediate special effect *(with a lightning symbol)* of an Action card which has already been placed on your desk.



Discard 1 Action card from your hand *(remove it from the game)* and receive 4 VPs and 2 Coins.



Receive 4 VPs for each set of 3 identical Volumes available to you *(on your desk and on the Master cards you have played)*. You cannot use Potion tokens to replace Volumes required by this special effect.



Spend 4 Coins to ignore the requirements of the book space where you want to play a Study action.



Spend 2 Coins to place more than one Travel cube during this Travel action. *(you can place a cube in a place you pass through and in the place where you finish your movement)*.

The Master Cards

Each Master has a special power and gives Victory Points at the end of the game.

Master cards can be played in 4 different ways:

- **If one of your Students finishes its movement on the Master space at the end of a path on the Technology track.**
- **If your Marker finishes its movement on the Master space on the Work track.**
- **By placing a Travel cube on the Master space on the Map.**
- **By placing 9 Bookshelf tiles.**

When you play a Master card, place it next to your Study board. If there is an immediate effect, shown by the lightning symbol, perform the effect immediately.

If the immediate effect is a Basic Action you must perform the action using the value shown *(or an inferior value)*. You cannot add symbols of the same type visible on your desk, nor can you spend 2 Coins to increase its value.



Robert Boyle: Perform a Study action with a value of 4. With this action you can place more Bookshelf tiles and divide the value of the action (for example, by placing 1 bookshelf tile on shelf 1, and another on shelf 3; or 4 Bookshelf tiles on shelf 1, etc.). You must meet the requirements in each book space you wish to fill.



Tycho Brahe: Gives you 2 permanent blue Volumes.



Thomas Browne: Perform a Lessons action with a value of 4. With this action you can take more than one Action card by splitting the value of the action (for example, by taking a card with a value of 1 and a card with a value of 3, or 4 cards each with a value of 1, etc.).



Giordano Bruno: Receive 6 Coins.



René Descartes: Perform a Lessons action with a value of 1. Immediately perform the Basic Action of the Action card you choose to take as if you have played that card on your desk *(the value of the Action is the total number of symbols visible on your desk plus 1)*.



Margaret Cavendish: Permanently remove from your supply the 2 topmost Bookshelf tiles.



Nicolaus Copernicus: Perform a Study action with a value of 3. Ignore the requirements of the book space you decide to fill.



Nicola Cusano: Receive 3 Potion tokens.



Daniel Fahrenheit: Gives you 1 permanent Volume. You may choose the color of the Volume each time that you use this Master's power.



Galileo Galilei: Perform a Travel action with a value of 3. You can place 1 Travel cube on each place you pass through.



William Gilbert: Place 1 Student at the bottom of the Technology track.



Edmond Halley: Perform a Technology action with a value of 4. With this action you can move more than 1 Student by splitting the value of the action *(for example, by moving 1 Student by 1 space and another by 3 spaces, or by moving 4 Students by 1 space each)*.



Christiaan Huygens: Perform a Work action with a value of 3. If, by performing this action, you reach the Objective tile at the end of the track, ignore the requirements necessary to activate it.



Johannes Kepler: Perform a Work action with a value of 6. You do not receive Coins for this action.



Gottfried Leibniz: Gives you 2 permanent orange Volumes.



Isaac Newton: Gives you 2 permanent green Volumes.



Paracelsus: Perform an action of your choice with a value of 3.



Blaise Pascal: Perform a Travel action with a value of 5. You do not have to pay any Travel costs.



Evangelista Torricelli: Perform a Technology action with a value of 3. If, by performing this action, you reach an Objective tile, ignore the requirements necessary to activate it.



Maria Winkelmann: Place 1 Travel cube in a space of your choice on the map. You cannot place it on the Master space or on the Objective space.

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