



LEGO BUILTTOEXPRESS

Module 3. LEGO



Co-funded by the
Erasmus+ Programme
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LEGO BuildToExpress

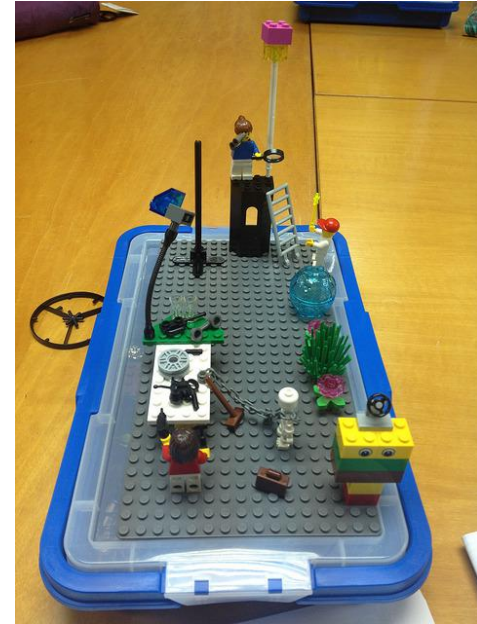


- This set consists of 200 LEGO elements, which were carefully selected to provide a broad spectrum of "ready-made metaphors" that pupils will be able to use in their constructions.
- The bricks, colours and minifigures inspire students and stimulate their creative thinking and imagination.
- This allows to create an ideal environment for learning and discussion.



Values of the method

- 1. LEGO BuildToExpress encourages students to express their thoughts and ideas on any topic by building symbolic models with LEGO bricks.



Values of the method



- 2. The method ensures a secure and non-judgmental process in which every student in the class gets the opportunity to be active, engaged and listened to.
- 3. Students use and develop their creative thinking and problem-solving skills by building individual models that illustrate their understanding of specific curriculum based topics taught in the class and their understanding of life.



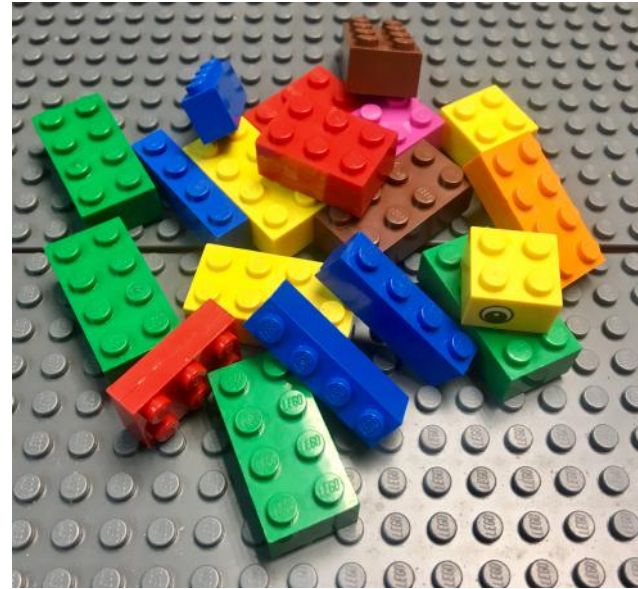
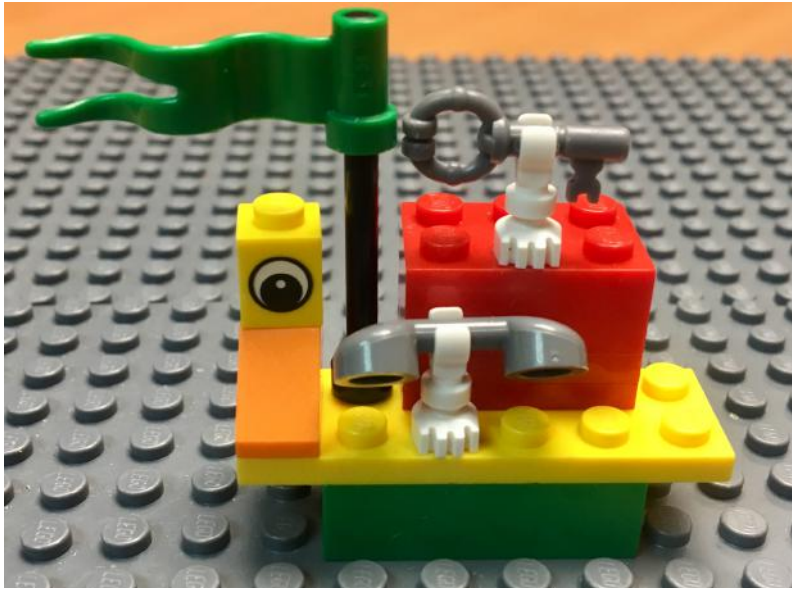
Values of the method



- 4. LEGO BuildToExpress is also an excellent way to handle interpersonal issues that arise within the class, allowing students to express their own personal feelings in a constructive manner.

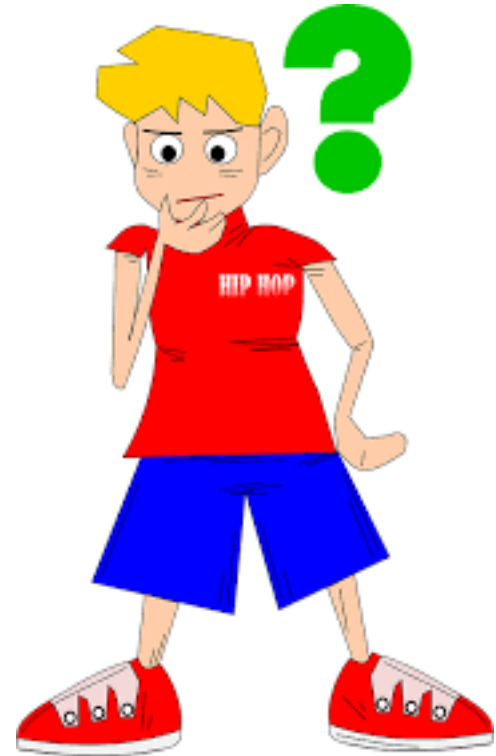


5. And of course..... to foster creativity!!!!!!!



And...

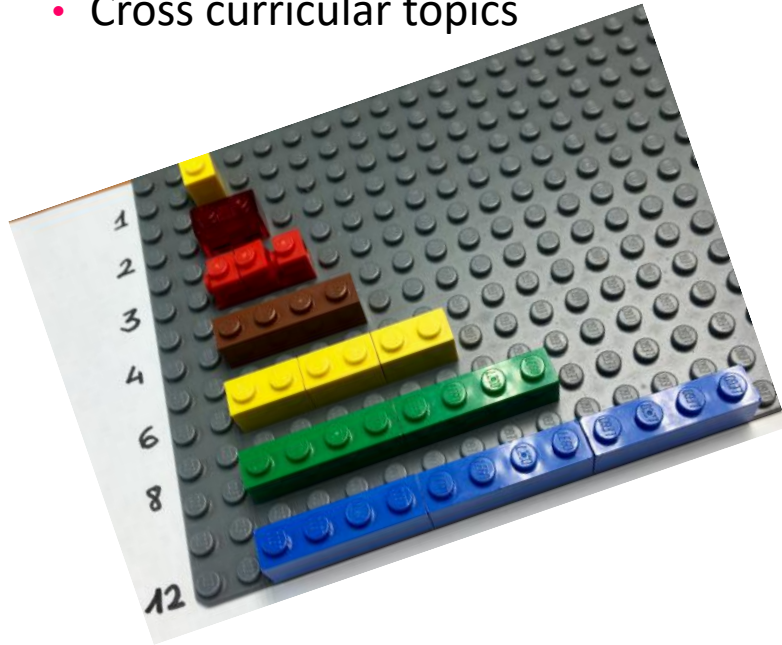
- We have answers to any question. We do not need to look for information.
- Everybody has something to say.
- Using LEGO, we have to reflect on, to express ourselves and to listen to.



LEGO BuildToExpress can be used on:



- Curricular areas
- Cross curricular topics



- LEGO helps students to develop a wide array of skills such as:
- Abstract thinking
- Creative thinking
- Reasoning
- Verbal communication
- Time management
- Inquiry
- Interpretation
- Active listening
- Problem solving

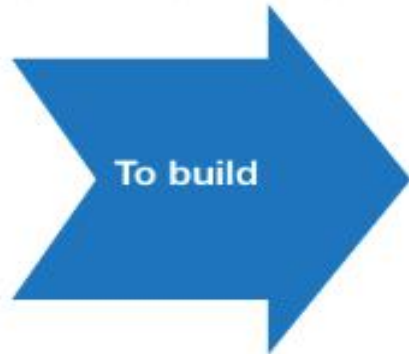
LEGO BuildToExpress: Rules for Participants



- 1. The facilitator asks the participants to build.
- 2. The LEGO model is your answer.
- 3. There are no wrong answers.
- 4. Think with your hands.
- 5. Listen with your eyes.
- 6. What counts is your meaning about your model.
- 7. Everybody takes part all the time.



The facilitator presents a challenge to pupils/participants.



Participants build their solutions with LEGO bricks.

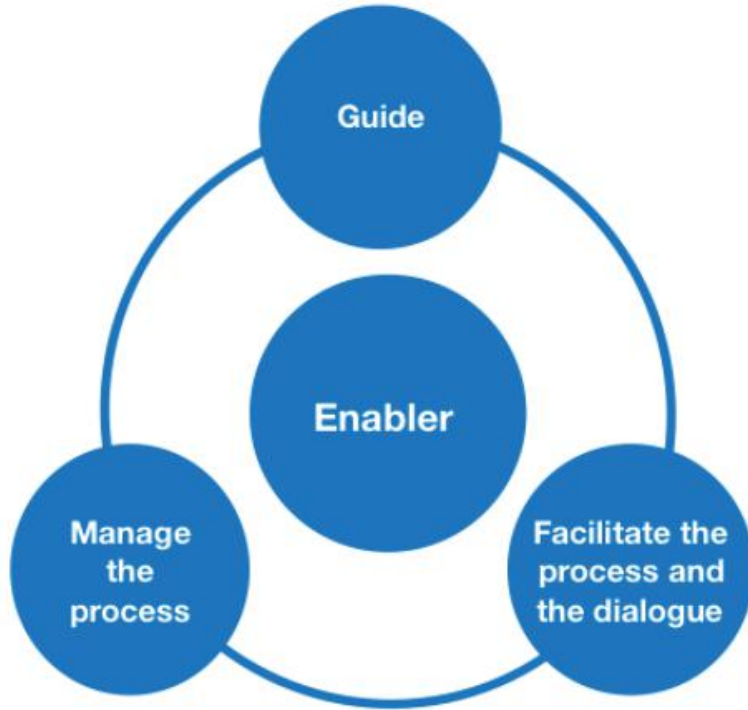


Pupils explain the meaning of their constructions and the story they have created. They will verbalize thoughts, emotions, ideas ...



If it is necessary, we will facilitate a summary of the process, focusing on the most relevant ideas.

Which is our role?



LET'S START!!!



1. The facilitator presents the challenge.
2. Build your answer with your LEGO bricks. Remember: The LEGO model is your answer! There are no wrong answers. What counts is your meaning about your model.
3. We all build our thoughts/ideas at the same time.
4. Focus on the task... it is better not to talk.
5. Time limits are used during the building phase. Everybody stops when the time finishes.
6. We will all have the opportunity to share our constructions.
7. **Everybody takes part all the time.**
8. Be responsible of your LEGO bricks.
9. Keep your model in the base just in case you need your construction to begin the new challenge.

*If you get a mental
block, leave your
hands think.
Begin with a new
brick, think with your
hands and listen with
your eyes.*

Remember!!!



- When building time is up, everyone puts the bricks that are not part of their model into their BuildToExpress Set and closes the lid.
- Then, everyone is ready to share his or her model.
- When you build your answer, your model will never be wrong.
- You do not need to make constructions that seem real. People will believe what you explain about it.
- The most important thing is what you say about your model and its meaning.

PRACTICE 1



Use your LEGO bricks to build a tower.

Time: 4 minutes

Describe your construction to your colleagues.



PRACTICE 2



Use your LEGO bricks to describe some aspects from your school/institution.

Time: 4 minutes

Describe your construction to your colleagues.

Look at the model that is being described. Listen actively when the model is being presented. Your questions are welcome if they help your colleagues to explain their constructions.

LEGO Templates



Topic:



1 Think about

These four building tasks will help you express your ideas about:

Build:

Building Time:

Share: When the building time is up, take turns telling each other about what you have built.

Keep your model on your own building plate.



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Subject and Grade Level:

Topic:



2 Remember

Now that you have thought about a specific example, it is useful to recall a time when:

Build:

Building Time:

Share: When the building time is up, take turns telling each other about what you have built.

Keep your model on your own building plate.



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Subject and Grade Level:

Topic:



3 Imagine

Now we will use our imagination and creativity to think about:

Build:

Building Time:

Share: When the building time is up, take turns telling each other about what you have built.

Keep your model on your own building plate.



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Subject and Grade Level:

Topic:



4 Conclude

Now we will build a model that sums up what we have learned so far.

Build:

Building Time:

Share: When the building time is up, take turns telling each other about what you have built.

Keep your model on your own building plate.



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Subject and Grade Level:

LEGO Templates



1 Think about



These four building tasks will help you express your thoughts and ideas about the importance of being inclusive.

Build: Build a model that represents what it means to be included.

Building Time: 3-4 minutes

Share: When the building time is up, take turns telling each other about what you have built.

Keep your model on your own building plate.



Character Education, Inclusiveness,
4th-5th grades

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2 Remember



Now that you've thought about what it means to be inclusive, it is useful to recall a specific example from your own life when you have experienced this.

Build: Build a model that represents a time when you felt included.

Building Time: 3-4 minutes

Share: When the building time is up, take turns telling each other about what you have built.

Keep your model on your own building plate.



Character Education, Inclusiveness,
4th-5th grades

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3 Imagine



Now you will use your imagination and creativity to think about how your actions can help others feel included.

Build: Build a model that represents how you could make everyone feel included in an activity.

Building Time: 3-4 minutes

Share: When the building time is up, take turns telling each other about what you have built.

Keep your model on your own building plate.



Character Education, Inclusiveness,
4th-5th grades

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4 Conclude



Now you will build a model that sums up what you have learned so far.

Build: Build a model with two parts that represent what it means to be inclusive and what it means to be exclusive.

Building Time: 3-4 minutes

Share: When the building time is up, take turns telling each other about what you have built.

Keep your model on your own building plate.



Character Education, Inclusiveness,
4th-5th grades

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PRACTICE 3

Watch this [video](#)

You will have 4 minutes to build the end of the story.



PRACTICE 4

Pairwork:

One person is going out from the room and look at one construction.

You have 30 seconds to watch the construction carefully and try to remember it.

The person will come back to the room and will describe the construction to his/her partner.

The observer can go back and watch the construction for a second time, during 30 seconds.



PRACTICE 5

Take 12 LEGO bricks out of your box.

Then, put the lid back on your box.

Do not think too much and just take the 12 pieces you like the most.

And now....



PRACTICE 5

Build an animal.

It can be a real one or an imaginary one.

You have 4 minutes.

Describe your animal to your colleagues.





Developing Innovation
and Creativity in Education

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LEGO BuildToExpress

INSTITUTION: _____ CITY: _____

TEACHER/TRAINER NAME: _____ DATE: _____

Pupils' age:
Challenge/activity: Description of the session: aims, contents, results, etc.
Teachers' assessment:
Pupils' assessment:

We use this template to plan the activities and to assess them.



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Other practices. Teaching a foreign language

We can use LEGO BuildToExpress to revise vocabulary of a semantic field: house, family, city, shapes, etc...

We can tell them to build a model following a list of words in English, French, etc.

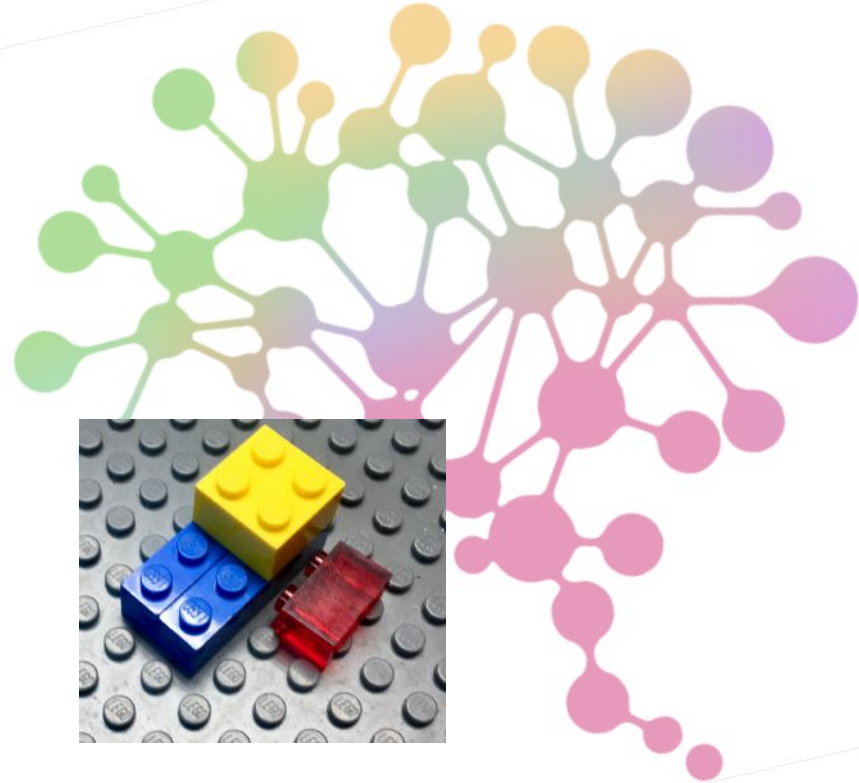
We can also just ask them to build his/her house.



Other practices. Teaching a foreign language

To revise prepositions. We will show them a construction and they will have to describe to a partner using the prepositions they have already studied in English or any other language.

To help them, we can give them a list of prepositions: NEAR, ON, IN, BEHIND, OPPOSITE, BETWEEN, UNDER, OVER, IN FRONT OF, NEXT TO, ABOVE.



Other practices. Teaching a foreign language

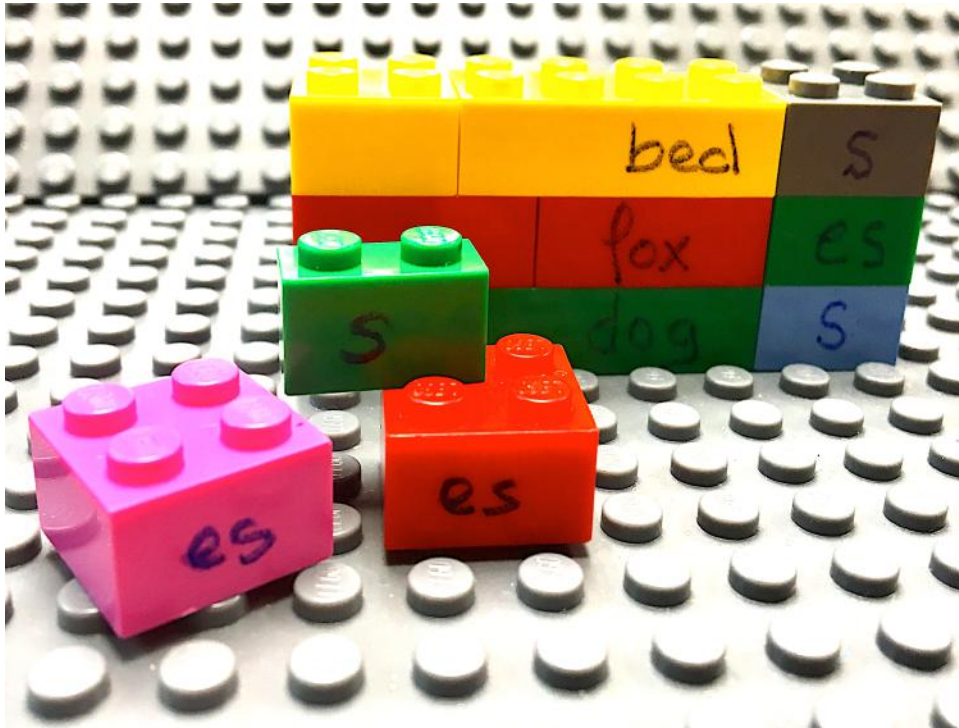
Grammar: Language teachers usually teach aspects of grammar such as verb tenses. We can use LEGO to revise them.

For example:

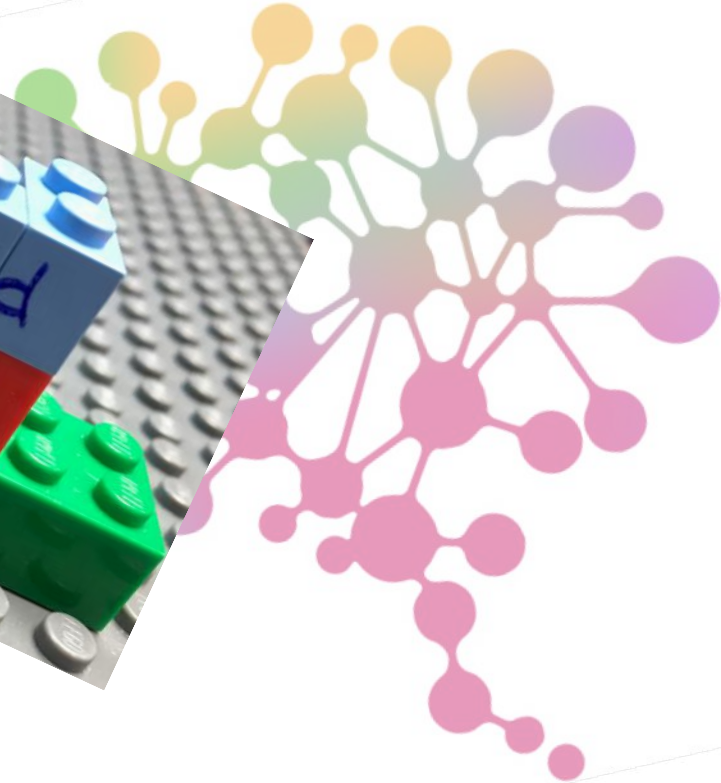
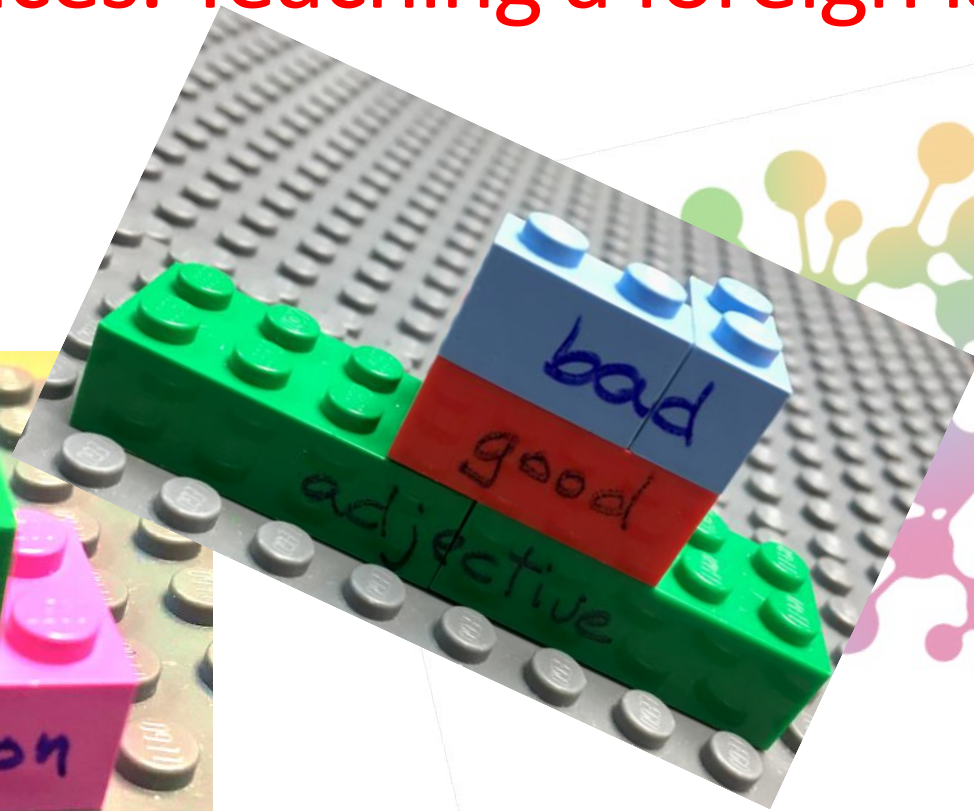
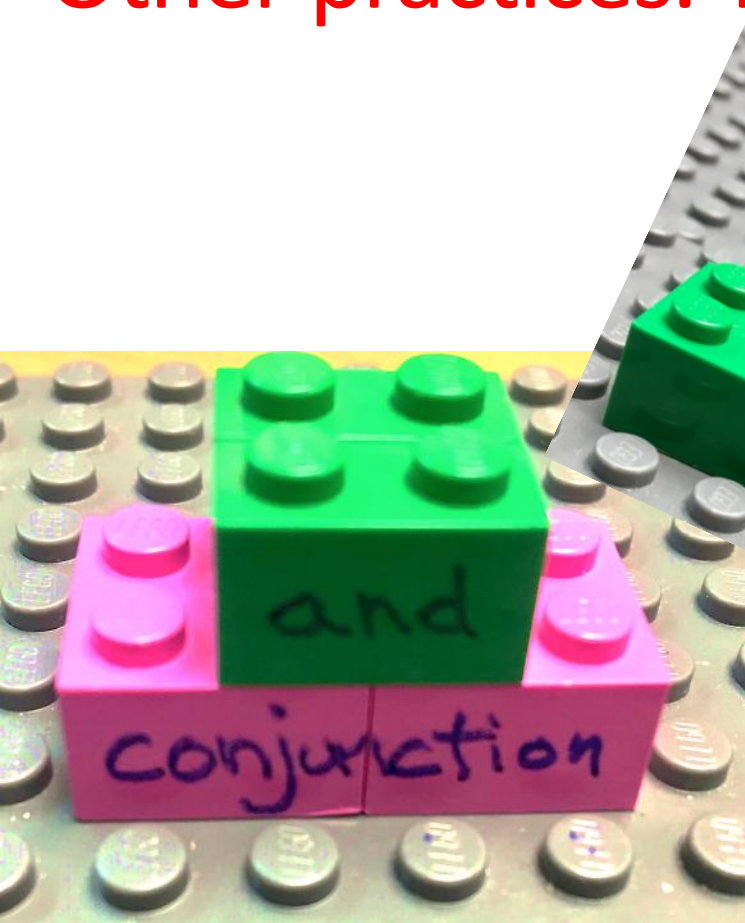
- Build a situation of your past that you remember with happiness and joy. Then describe it to your partners. (Past simple)
- Make a construction about your daily routines. (Present simple)
- What would you like to be when you grow up? (Conditional simple)



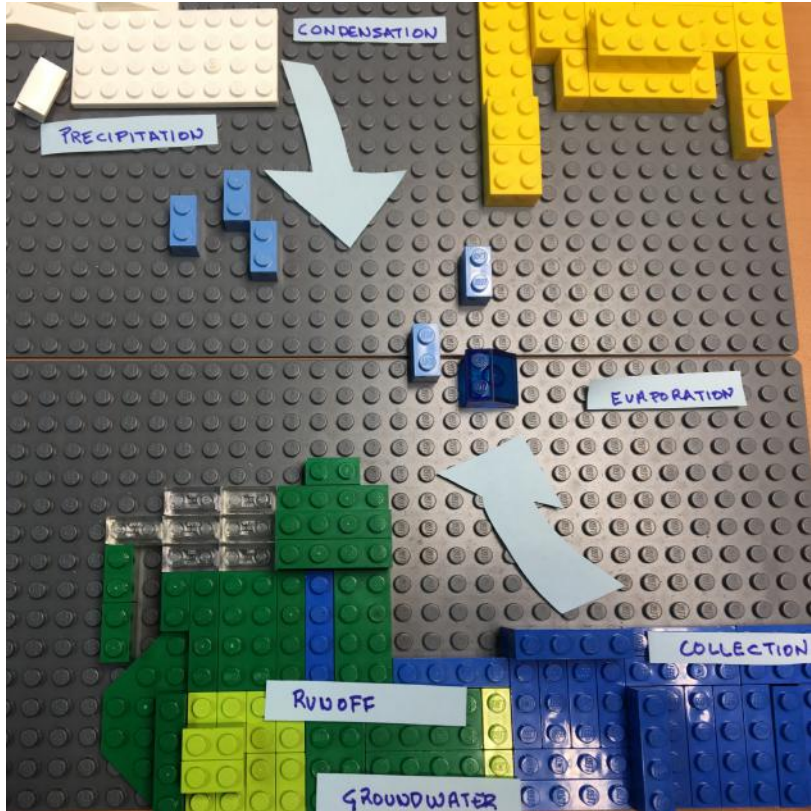
Other practices. Teaching a foreign language



Other practices. Teaching a foreign language



Practices in other subjects



Practices in other subjects

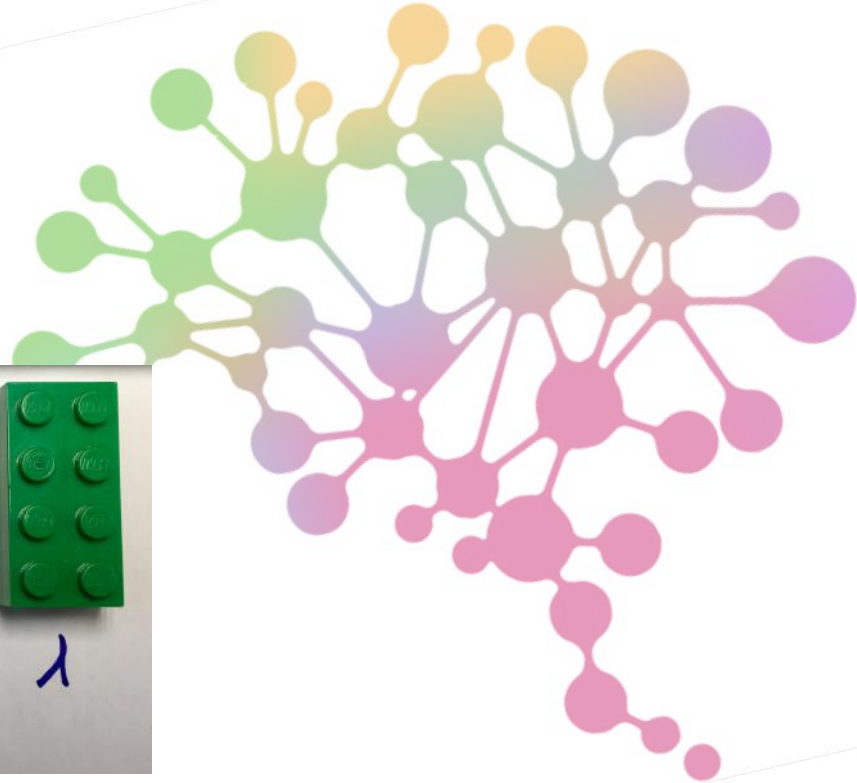
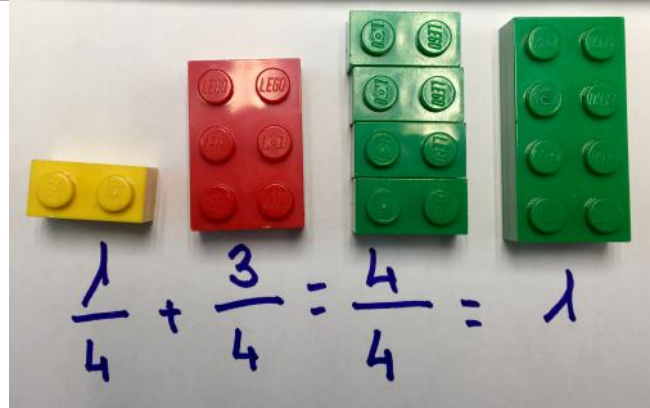
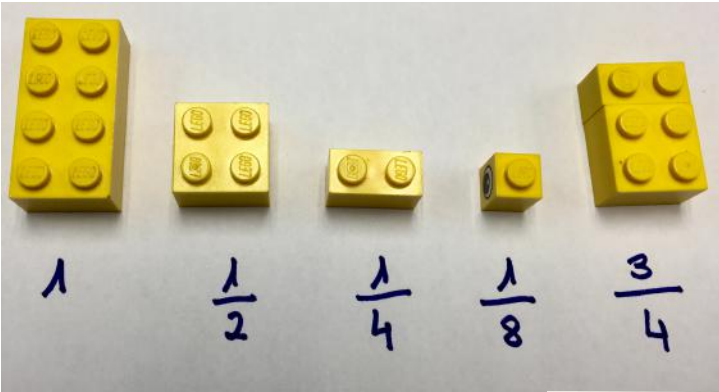
Symetry

You have 10 minutes to build one or more symmetrical designs.

You will be asked to describe the designs.



Practices in other subjects



PRACTICE 6

Think about early this morning, before coming in your school or your work.

Build a model that represents how you felt at that moment, your emotions and feelings.

Time: 4 minutes.

Describe your model to your colleagues.



Different ways of constructions and different aims



Individual constructions	<ul style="list-style-type: none">- Personal reflection- Active listening to the others.
Additions (a partner adds something to your model)	<ul style="list-style-type: none">- Deeper reflections.- Change of perspective.
Relations	<ul style="list-style-type: none">- Reflections about relationships among different aspects.
Summary of different models	<ul style="list-style-type: none">- Deeper dialogue.- Consideration of different point of views.

PRACTICE 7

Build a model about how your ideal school would be. What will our pupils need in their future?

Time: 4 minutes.

Describe your model in your group.



PRACTICE 7

Now:

- Give your model to the partner on your left.
- Build a model about your ideal school using your partners' model.

Time: 4 minutes.

Describe your models in your group.



PRACTICE 7

Finally:

- Choose one of the models and as a group, build a final version of your ideal school.

Time: 4 minutes.

Describe your models to the other groups.



And now it is your turn.

And now it is your turn.

1. We are going to give you a worksheet to design an activity using LEGO BuildToExpress.
2. Choose a topic and design a proposal for your pupils or your colleagues.



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