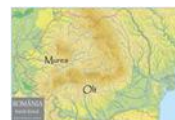


MURES AND OLT THE CONCILIATION (T3)

S13
T3
D11
L1 P1



Focus on:

- Language consciousness (D11)

Task1: How to make a paper mache mountain?

Students create a mountain as an element of the landscape.

Every solution is good!

Any kind of tool and material can be used!

You can use the ideas and list of materials from the Idea Bazaar, come up with your own ideas or just let the children be creative.



Idea Bazaar – some ideas:

- Building environment out of recycled materials
- Drawing
- Creating

For details of the creation, see the Idea sheets!

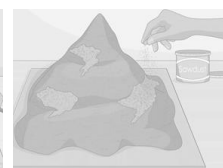
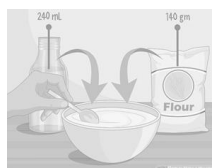
Developmental fields:

In focus:

- Fine motor skills
- Spatial orientation
- Creativity

In addition:

- Attention concentration
- Subject concentration – Art
- Talent development



Task5: Study the map of Romania. How do the two rivers, Mures and Olt flow?

Students search the internet to find interesting information about the different regions of Romania!

Create a presentation, a poster or a model using the map of Romania!

Every solution is good!

Any kind of tool and material can be used!

You can use the ideas and list of materials from the Idea Bazaar, come up with your own ideas or just let the children be creative.



Idea Bazaar – some ideas:

- Building out of ArTeC Blocks
- Printing out the map of Romania (large scale or smaller)
- Creating presentations, posters
- For details of the different solutions, see the Idea sheets!

Developmental fields:

In focus:

- Mathematical competences
- Spatial orientation
- Presentation skills
- Creativity

In addition:

- Attention, concentration
- Subject concentration – Natural Science, Geography
- Talent development

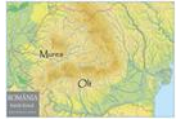


How to manage output:

Record videos of the children's creations and presentations.

MURES AND OLT THE CONCILIATION (T3)

S13
T3
D11
L1 P2



Focus on:

- Language consciousness (D11)

Task3: How does the characters and the scenes of the story look like?

Students create elements of the environment, the mountain, castle. They create plants, animals, figures as well.

Every solution is good!

Any kind of tool and material can be used!

You can use the ideas and list of materials from the Idea Bazaar, come up with your own ideas or just let the children be creative.



Idea Bazaar – some ideas:

- Building environment and characters out of ArTeC Blocks, using Artec mechanisms
- Drawing
- Creating computer graphics

For details of the different solutions, see the Idea sheets!

Developmental fields:

In focus:

- Spatial orientation
- Presentation skills
- Creativity
- Talent development

In addition:

Subject concentration
– Natural Sciences,
Arts

How to manage output:

Record videos with different characters and elements of the environment.

Task4: How to use arguments in a conflict? How to convince people of your ideas?

The main situation of the story can be used to talk about conflict solving and argumentation techniques. How to do it, what language to use to convince people in a conflict situation?

They dramatize and act out the given situation.

You can use the **Act it out! cards** from the Idea Bazaar

Idea Bazaar – some ideas:

- Finish sentences about siblings.
- Dramatize a conflict situation with your sibling. Think of the solution, argumentation!
- Imagine a conflict before travelling. What could be the reason and the solution?
- Dramatize the two end of the conflict.

For details see the Idea sheets!

Developmental fields:

In focus:

- Social competences
- Critical thinking
- Civics
- Text comprehension

In addition:

- Attention
- concentration
- Life skills
- Talent development




MURES AND OLT


S13
T3,3
L1

Some ideas – Behaviors in different situations

Finish the sentences:

What I like about my sibling(s) is that they...

What I cannot stand about my sibling(s) is that...

Act it out!

The brothers in the story were always quarrelling. Have you found yourself in a similar situation before? What was the reason and the resolution of the conflict?

Find out and play out the situation!

Act it out!

In the story the brothers could not come to common sense regarding the travelling. What could be the reason? Do you think they managed to agree? How? If not, why? Imagine and dramatize the two ends of the conflict.

How to manage output:

Record a video acting out the situations.

MURES AND OLT THE CONCILIATION (T3)

S13
T3
D11
L2 P3

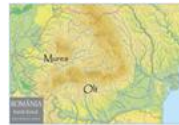


Focus on:

- Language consciousness (D11)

Goals of the lesson:

- text comprehension
- trial argumentation
- problem solving
- decision making
- organizing group work



Summary:

Tarcău, the fairy, wanted to send her two sons to find their father, so she turned them into rivers. The boys had different characters, so they could not agree on whose name to travel by. So they decided to travel separately against their mother's advice. They met again at the end of their journey, the Danube embraced them and took them to the Black Sea.

Main features and interactions of the characters

Character	Features	Interactions
Tarcău	Walks, moves	Walks in front of the golden palace
Mures	Walk, moves	Follow the line
Olt	Walk, moves	Follow the line

Suggestions

Discussion topics:

- Why did the brothers follow different ways?
- How did they travel? What does this say about their character?
- Have them act out the dialogue, and think of possible arguments.

Civic, social studies:

- Talk about the scene, participants, interactions during the dialogue (who are the participants, what is the environment like, who can speak, how can they quarrel, etc.)
- Collect information about the geographical situation of the rivers.

Suggested materials

- ArTeC Blocks (at least the 112 pcs set)
- Act it out! cards
- Pencil, paper, cardboard, glue

How to use the character card:

Each student fills in their own Character card:

- writes the name of the character
- their features, movements, reactions, etc.
- collects the elements of the environment, other accessories, things to be built
- thinks over the phases, tools and materials of the robot's building

Students can use more pieces of each part of the Character card if needed!


Your name _____
Build _____

Mures
Olt
father
Mountains
landscape


Your name _____
Be attentive, your robot should be able to: _____

Walk
Sit
Carry things


Your name _____
There also should be: _____

Landscape on a map
Shores, trees


Your name _____
Think over: _____

The main actions of the story
Media files needed
Divide the text segment into pieces
Make a list about things needed

PROG4

MURES AND OLT THE CONCILIATION (T3)

S13
T3
D11
L3-4
P5

Ideas for robots on different programming levels

Mures and Olt DC
motorised structure

PROG1

Mures and Olt on a
fixed route

PROG2

Mures line tracing
robot, Olt has
movable arms

PROG3

Mures line tracing
robot, Olt counts
obstacles in its path

PROG4



Mures and Olt to the sea

P1 Building Mures and Olt

- The two fairies are built as DC motorised robots connected to a battery holder.
- Mures is a slow moving robot, Olt is a fast moving robot with gears.

P2 Building Mures and Olt

- The two fairies are built as robots mounted on a trolley.
- Olt is built with a device that allows him to push objects away from him.
- The robots follow a pre-drawn path: Mures a winding one, Olt a straighter one.

P3 Build the journey of Mures and Olt

- Mures is a line tracer robot, using IR-photoreflector.
- It uses another IR photo-reflector to see if it reaches the sea, where it stops.
- Build Olt so that her arms can be moved using a servo motor.
- When an object comes in its path, it detects it with an IR photoreflector and scoops it aside with its arms.
- It uses another IR photo-reflector to see if it reaches the sea, where it stops.

P4 Build the journey of Mures and Olt

- Build the fairies in a similar way to P3.
- Mures uses two IR-photoreflectors to observe objects in her path. She avoids them if necessary.
- Olt counts how many objects she has dredged and when she stops at the sea, she flashes the number.

