Energy Inventions

Session 6

TIME
90 min. including break

Art of learning

THEME 23

WARM-UP: INVENTOR TRICK NO. 6: "YES, AND" WHERE EVERYTHING HAS GONE WELL.

This will happen:	Create inventor stories to practise handling presentation nerves.
Materials needed:	
Preparations in advance:	
Preparations in the space:	
The space looks like this:	Open space.

GUIDANCE:
Begin by giving all the students a short and positive pep talk. Remind them to do and say what they have planned, to 'sell' the invention with enthusiasm and to offer support and help to each other!

This goes in the order the groups will make their presentation. The first group is given the first sentence of a story and they complete it with "Yes, and" sentences!
Choose one sentence that each group gets or provide a few and ask each group to pick one. All the sentences must be set in the timeframe after the presentation (even though this happens before) and they must be written in a way so that it is clear that the presentations have gone well. The starting sentences could be:
"The presentation of our invention today went great because…"
"I am so proud of my group today because…"

Reflection: Explain that thinking what it is like after the presentation is complete and that it went well is another great Inventor's trick. Many real Inventors (and Artists) use this approach. Wish them luck and start the presentations!

REFLECTION: 'THE BOND BETWEEN US'

This will happen:	The class works in a circle throwing a roll/ball of gift ribbon so that everyone is involved, and they reflect on teamwork.
Materials needed:	A roll/ball of gift ribbon and a soft ball.
Preparations in advance:	Wrap the gift ribbon around a soft ball. The gift ribbon should come off easily and be easy to catch. Practise throwing the ball to ensure that the gift ribbon comes off easily.
Preparations in the space:	
The space looks like this:	Open space.

GUIDANCE:
Everyone sits (or stands) in a tight circle (if the class is large then divide them into two smaller groups with an adult in each). It is important that it is a circle, and that the distance across the circle is not too big. The tempo of the exercise should be calm.

1. Everyone closes their eyes and is given a question to think about from today's session. When they are ready with their answer, they should open their eyes and look at the adult.
2. The adult repeats the question, states their answer, holds the ribbon ball firmly, makes eye contact with another student and throws the ribbon ball to them.
3. This student repeats the question, states their answer, holds the ribbon ball firmly, makes eye contact with another student, and throws the ribbon ball to them.
4. Then the process is repeated until everyone has had the ribbon ball.
5. Reflection: While the web is still held by everyone, ask them what they have between them here? What can this 'bond between us' tell them? (they are a community, it shows what they achieve when they collaborate – see what emerges). Finish by repeating a couple of positive reflections about the 'bond between us'.

Question for Session 6: Think about their invention group. Share one thing they want to thank their group for.

NOTES

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MAIN ACTIVITY: PRESENTATION OF THE INVENTIONS TO A REAL AUDIENCE OUTSIDE THE SCHOOL.

This will happen:	The students bring their models and present their inventions to a real audience who would benefit from the inventions, see below.
Materials needed:	The students' models and any other resources they need for their presentations. Refreshments for the celebration, see below.
Preparations in advance:	Find a suitable audience and a suitable venue outside the school. Think big – many people are really interested in children's ideas for inventions that can be useful for the future: Politicians, councillors and energy companies. Feel free to ask an external person to give a speech after the students' presentations and to thank them for their work and ideas. Contact the local newspaper to see if they can write an article about the project. Prepare a celebration event for the students after the presentation: provide a drink to make a toast with, soft drinks, candy and other food/treats the students will appreciate and enjoy.
Preparations in the space:	Ensure that the presentations will work well in the space and that the acoustics work well. Prepare any refreshments for the celebration.
The space looks like this:	Outside the school: The venue could be a science centre, municipal hall, public library or similar.

GUIDANCE:

Each group presents their invention model to a real audience.

Important: Make sure the start of the presentation is carried out in such a way that the audience takes the students and their ideas seriously.

Ask an external person to give a speech after the students' presentations which should recognise their work and thank them for their input, ideas and suggestions.

After the presentations: A small celebration for the students (and possibly the audience) with some good refreshments and possibly a toast to the inventors.

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