

# Uvod

- Formiranje timova od 5
- Odabir imena i slogana

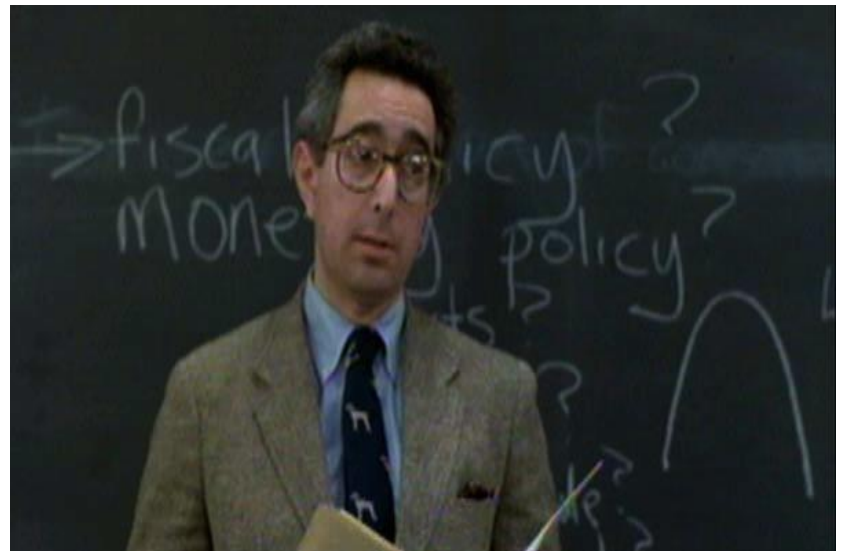


# Teacher In-Service Program

- Glavni cilj je približavanje pojma *inženjerstvo* učenicima srednjih (i osnovnih) škola na zabavan i praktičan način



# TISP – Zašto?



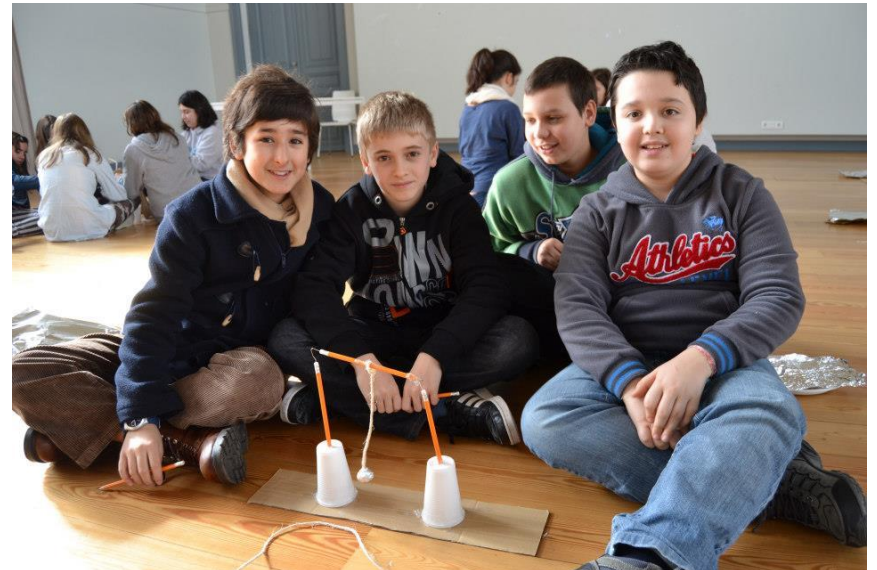
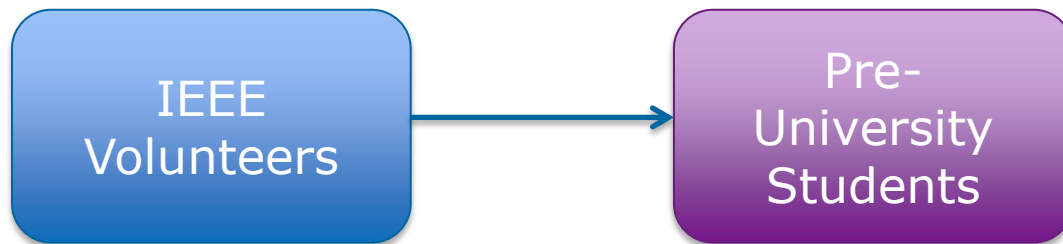


# TISP radionice



# TISP 2.0

- R8 Initiative
- TISP radionice provode IEEE volonteri



# Materijal

- 3" wide and approx. 22" long strips of cardboard- 5
- Binder clips (different sizes)- 8 or more
- Thumb pins - 10-12
- Clothespins - 6
- Craft sticks -10-15
- Fishing line - 3-4 feet
- Hangers - 1 or 2
- Paper clips (diff. Sizes) - 10-15
- Pencils - 3-4
- Rubber bands (different sizes)-15
- Tape - clear and masking (partial rolls should be fine)
- Twine - 3-4 feet
- Various size scraps of cardboard -10 assorted

# TISP – Kako?

- Organiziraj tim!
- Odaberi škole!
- Odaberi aktivnosti – Lesson Plans!
- Osiguraj sredstva!
- Provedi radionice!




# TISP – Kako?

## ▶ Lesson Plans

TryEngineering.org

TryComputing.org


1-10 of 114 Sort by... <prev | 1 2 3 4 5 6 7 8 9 10 show all | | next>



### Solving a Simple Maze

Lesson focuses on algorithmic thinking and programming. Make the students aware of the beauty of simple algorithms and t...


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### Search Engines

Lesson focuses on exploring how the development of search engines has revolutionized Internet. Students work in teams to...

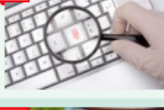
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### Fun with Sorting

The lesson focuses on introducing the fundamental problem of "sorting an array" to pre-university students....


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### Solving Problems with Decision Trees

This lesson focuses on how computing decision trees are used to specify and solve problems....


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### Complexity -- It's Simple

This lesson allows students to playfully understand algorithms and complexity....


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### Choose Your Best Way

Lesson focuses on how mathematic models help to solve real problems and are realized in computers. Students work in team...

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### Fun with Speedboats

Lesson focuses on how engineers and ship designers have developed boats with a goal of breaking a water speed record. St...

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## Inspire

Discover resources to support and encourage students in computing. Find in-class lesson plans and opportunities beyond the classroom to give students valuable computing skills and experiences.



### Get students involved

Help students explore their interests by encouraging participation in computing competitions, scholarships and events.




### Lesson plans

Explore TryComputing.org's collection of interactive pre-university computing lessons below.

#### "Computing in the Cloud..." Lesson

This lesson starts with an early history of cloud computing, describing its early forms, and how it has been transformed to its present state. This lesson provides guidelines for students to use some cloud facilities such as CloudMe, a file sharing utility, and also teaches them how to install multiple guest OS in a host OS to introduce virtualization i.e. the key concept of cloud computing.





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- Website: <http://www.ieeer8.org/technical-activities/educational-activities/pre-university/pre-university-works/>