

# VY\_22\_INOVACE\_F\_ZR\_2.SADA\_25

Název klíčové aktivity: II/2 Inovace a zkvalitnění výuky směřující k rozvoji výuky cizích jazyků Označení v TK: EU-II/2F-ZR-2.sada-č.25 Autor: Mgr. Zuzana Raidová Datum vytvoření: květen 2013 Název DUM: Vynálezy Vzdělávací oblast: Jazyk a jazyková komunikace Vyučovací předmět: Anglický jazyk Ročník: 9. Druh učebního materiálu: Hot Potatoes Klíčová slova: křížovka, definice, slovní zásoba – vynálezy Anotace: Cvičení vytvořené v programu Hot Potatoes slouží k rozšíření slovní zásoby tematického okruhu vynálezy a procvičování čtení s porozuměním. Úkolem žáků je doplnit do křížovky jednotlivé vvnálezy – po kliknutí na číslo se objeví definice slova, které pak žáci napíší do volného pole a

okruhu vynalezy a procvicovani čteni s porozumenim. Ukolem zaku je doplnit do krizovky jednotlive vynálezy – po kliknutí na číslo se objeví definice slova, které pak žáci napíší do volného pole a potvrdí tlačítkem ENTER. Křížovka obsahuje celkem 23 různých vynálezů na doplnění. Po vyplnění všech volných políček žáci zkontrolují své odpovědi kliknutím na CHECK.



### Inventions

|    |   |    |              |                                               |                                               |    |                                               |    |  | 1  |    |    |    |   |   |    |   |
|----|---|----|--------------|-----------------------------------------------|-----------------------------------------------|----|-----------------------------------------------|----|--|----|----|----|----|---|---|----|---|
|    |   |    |              |                                               |                                               |    |                                               |    |  |    |    |    |    |   |   |    | 2 |
|    |   |    | 4            |                                               |                                               |    | 3                                             |    |  | F  |    |    |    |   |   |    |   |
|    |   |    | 4            |                                               |                                               |    |                                               |    |  | 5  |    |    |    |   |   |    |   |
|    |   |    |              |                                               |                                               |    |                                               |    |  |    |    |    |    |   |   |    |   |
|    |   | 6  |              |                                               |                                               |    |                                               |    |  |    |    |    |    |   |   |    |   |
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| 8  | 9 |    | <br><u> </u> | <u>                                      </u> | <u>                                      </u> |    | <u>                                      </u> |    |  |    |    | 10 | 11 |   |   |    |   |
|    |   |    |              |                                               |                                               |    |                                               |    |  |    |    |    |    |   |   |    |   |
| 12 |   |    |              |                                               |                                               |    |                                               |    |  |    |    |    |    |   |   | 13 |   |
|    |   |    |              |                                               |                                               |    |                                               |    |  |    | 14 |    |    |   |   |    | ┢ |
|    |   |    |              |                                               |                                               | 15 |                                               |    |  |    |    |    |    |   |   |    |   |
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|    |   |    | 16           |                                               |                                               |    |                                               |    |  |    |    |    |    |   |   |    |   |
|    |   |    |              |                                               |                                               |    |                                               |    |  |    |    |    |    |   |   |    |   |
|    |   |    |              |                                               |                                               | 17 |                                               |    |  |    |    |    |    |   |   |    |   |
|    |   |    |              |                                               |                                               |    |                                               |    |  | 18 |    |    |    | _ | _ |    |   |
|    |   | 19 |              |                                               |                                               |    |                                               |    |  |    |    |    |    |   |   |    |   |
|    |   |    |              |                                               |                                               |    |                                               |    |  |    |    | 20 |    |   |   |    |   |
|    |   | 24 |              |                                               |                                               |    |                                               | 22 |  |    |    |    |    |   |   |    |   |
|    |   | 21 |              |                                               |                                               |    |                                               | 22 |  |    |    |    |    |   |   |    |   |
|    |   |    |              |                                               |                                               |    |                                               |    |  |    |    |    |    |   |   |    |   |



#### Across:

| 1  | The word for this thing is taken from<br>Hindustani language and dates to 1762. It<br>originated in the eastern regions of the<br>Mughal Empire. It is used for washing hair.                                                                   | 18  | This<br>clean<br>Afric                                    |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------------------|
| 4  | This material is used for writing, printing,<br>drawing or packaging. It was developed in                                                                                                                                                       | 19  | It can<br>and a                                           |
|    | China during the early 2nd century AD.<br>This tool is used for digging and moving                                                                                                                                                              | 20  | This dirt f<br>motor                                      |
| 5  | material such as coal, soil, sand, snow, etc.<br>It is helpful for farmers, gardeners, in<br>agriculture and so on. It was invented<br>already in Neolithic times.                                                                              | Dow | of th                                                     |
| 6  | This thing is used for cleaning laundry. The<br>Italians and Egyptians used it many years<br>ago. Enzymes for laundry were introduced<br>in early 1900s by German Otto Rohm.                                                                    | 1   | An instr<br>paper, c<br>metal bl<br>to cut tl<br>around 1 |
| 7  | It's mainly used for washing, bathing and<br>cleaning. The first evidence of the<br>production of this material dates back to<br>2800 BC in ancient Babylon. Liquid kind was                                                                    | 2   | This was<br>only one<br>discover                          |
| 8  | patented by William Shepphard in 1865.<br>It's a highly-foaming mixture used for<br>dishwashing. The bestselling brand in the<br>Czech Republic is probably JAR.                                                                                | 3   | It's a ha<br>cooling f<br>demonst<br>Universi             |
|    | We use this tool mainly for driving nails, fit parts, forge metal or break apart things.                                                                                                                                                        | 6   | It's a de<br>rotary a<br>in 1858.                         |
| 10 | Stones attached to sticks with strips of<br>leather were used like this by about<br>30,000 BCE during the Palaeolithic Stone<br>Age. Scientists say that it is the oldest<br>tool for which definite evidence exists of<br>its early existence. | 9   | It's and<br>produce<br>humidity<br>cooling c<br>principle |

- This instrument is used for oral hygiene to clean teeth and gums. It was used in India and Africa in 1600 BC for the first time.
- It causes many household appliances to work and also light bulbs to light our homes.

This device uses air pump to suck up dust and dirt from floors and carpets. The first motorized models were used in the beginning of the 20th century.

An instrument used for cutting things, e.g. paper, cloth, cardboard... It consists of two metal blades that are pushed against each other to cut the materials. It was probably invented around 1500 BC in ancient Egypt.

This was the first chemical explosive and the only one known until the mid-1800s. It was discovered in the 7th century in China.

It's a household appliance used for storing and cooling food. The first known artificial kind was demonstrated by William Cullen at the University of Glasgow in 1748.

It's a device used for washing laundry. The rotary appliance was patented by Hamilton Smith in 1858.

It's an appliance, system, or mechanism produced to change the air temperature and humidity in a room, house,... People use it for cooling and sometimes heating rooms. The basic principle of this appliance was first applied in ancient Egypt.



| 12 | It's a device that is used for printing ink<br>onto paper or cloth through pressure. The<br>improved movable type of this device was<br>invented by Johannes Gutenberg in 1450.                                          | 11 | A nuclear weapon that is used for destroying<br>large areas. Only two of them have been used so<br>far by the USA in the World War II. They were<br>detonated over the Japanese cities of Hiroshima<br>and Nagasaki. |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 15 | It's a heat device using steam for<br>performing mechanical work. It was<br>patented in 1781 by James Watt.                                                                                                              | 13 | This thing is used for cleaning teeth by removing<br>the dental plaque and food. It came into general<br>use in the 19th century.                                                                                    |
| 16 | A device that is used for measuring<br>temperature. It wasn't a single invention, it<br>was developed by many famous scientists,<br>e.g. Galileo Galilei, Robert Fludd, Santorio<br>Santorio,                            | 14 | It's a substance that is given us by doctors to<br>kill harmful bacteria and to cure illnesses and<br>infections. The term was first used by Selman<br>Waksman in 1942.                                              |
| 17 | This device has got circular shape. It can<br>be found for example in transport.<br>Evidence of vehicles using this device dates<br>back to the 4th millennium BC in<br>Mesopotamia, Indus Valley and Central<br>Europe. | 15 | This is a hand-tool used for turning screws. The<br>first evidence of using this tool dates back to<br>European late Middle Ages.                                                                                    |



### Solution:

|                 |        |   |                 |   |                 |   |   |                 |                |   |                 |   |   |   | <sup>1</sup> S  | Н | A               | M | Ρ               | 0      | 0 |   |                 |                |
|-----------------|--------|---|-----------------|---|-----------------|---|---|-----------------|----------------|---|-----------------|---|---|---|-----------------|---|-----------------|---|-----------------|--------|---|---|-----------------|----------------|
|                 |        |   |                 |   |                 |   |   |                 |                |   |                 |   |   |   | С               |   |                 |   |                 |        |   |   |                 | <sup>2</sup> G |
|                 |        |   |                 |   |                 |   |   |                 | <sup>3</sup> F |   |                 |   |   |   | I               |   |                 |   |                 |        |   |   |                 | υ              |
|                 |        |   |                 |   | <sup>4</sup> P  | A | Ρ | E               | R              |   |                 |   |   |   | <sup>5</sup> S  | н | 0               | V | E               | L      |   |   |                 | Ν              |
|                 |        |   |                 |   |                 |   |   |                 | I              |   |                 |   |   |   | S               |   |                 |   |                 |        |   |   |                 | Ρ              |
|                 |        |   | 6               |   |                 |   |   |                 | D              |   |                 |   |   |   | 0               |   |                 |   |                 |        |   |   |                 | 0              |
|                 |        |   | <sup>6</sup> W  | A | S               | н | I | N               | G              | Ρ | 0               | W | D | Ε | R               |   |                 |   |                 |        |   |   |                 | W              |
|                 |        |   | A               |   |                 |   |   |                 | E              |   |                 |   |   |   | <sup>7</sup> S  | 0 | A               | Ρ |                 |        |   |   |                 | D              |
| 8               | 9.4    |   | 5               |   |                 |   |   |                 |                |   |                 |   |   |   |                 |   |                 |   | 10              | 11 .   |   |   |                 | E              |
| <sup>8</sup> W  |        | S | Н               | I | N               | G | - | U               | P              | L | I               | Q | U | I | D               |   |                 |   | <sup>10</sup> H |        | M | M | E               | R              |
| <sup>12</sup> P | I<br>R | I | I<br>N          | T | I               | N | G | P               | R              | E | S               | S |   |   |                 |   |                 |   |                 | т<br>0 |   |   | <sup>13</sup> T |                |
| F               | к<br>С | ± | G               | Т |                 |   | 9 |                 | ĸ              | C | 3               | 3 |   |   |                 |   | <sup>14</sup> A |   |                 | M      |   |   | 0               |                |
|                 | 0      |   | M               |   |                 |   |   | <sup>15</sup> S | Т              | E | A               | M | E | N | G               | I | N               | E |                 | M<br>I |   |   | 0               |                |
|                 | N      |   | A               |   |                 |   |   | C               | '              |   |                 |   |   |   |                 | - | T               |   |                 | L<br>C |   |   | т               |                |
|                 | D      |   | C               |   | <sup>16</sup> T | н | E | R               | M              | 0 | M               | E | Т | E | R               |   | ,<br>I          |   |                 | B      |   |   | ч<br>Н          |                |
|                 | I      |   | н               |   |                 |   |   | E               |                |   |                 |   |   |   |                 |   | B               |   |                 | 0      |   |   | P               |                |
|                 | Т      |   | I               |   |                 |   |   | <sup>17</sup> W | н              | E | E               | L |   |   |                 |   | I               |   |                 | M      |   |   | A               |                |
|                 | I      |   | Ν               |   |                 |   |   | D               |                |   |                 |   |   |   | <sup>18</sup> T | 0 | 0               | Т | н               | В      | R | υ | S               | Н              |
|                 | 0      |   | <sup>19</sup> E | L | E               | С | Т | R               | I              | С | I               | Т | У |   |                 |   | Т               |   |                 |        |   |   | т               |                |
|                 | Ν      |   |                 |   |                 |   |   | I               |                |   |                 |   |   |   |                 |   | I               |   | <sup>20</sup> H | 0      | 0 | V | Ε               | R              |
|                 | I      |   |                 |   |                 |   |   | V               |                |   |                 |   |   |   |                 |   | С               |   |                 |        |   |   |                 |                |
|                 | Ν      |   | <sup>21</sup> F | R | Ε               | Ε | z | Ε               | R              |   | <sup>22</sup> D | I | S | н | W               | A | s               | н | E               | R      |   |   |                 |                |
|                 | G      |   |                 |   |                 |   |   | R               |                |   |                 |   |   |   |                 |   |                 |   |                 |        |   |   |                 |                |

## Inventions