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| **1. ACTIVITY INFORMATION** | |
| **Subject/Course:** **Geometry/Angles** | **Teacher:** Mihaela Git |
| **Grade Level:** 6th | **Topic:** **Angle Bisector** |
| **Length of Period:** 1 lesson |

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| **2. Expectations or Goals** |
| **Expectation(s) ( *from school Curriculum):***  Students will be able to understand the angle bisector and they will be able to recognize the angle bisector.  Students will be able to demonstrate the property of an angle bisector, by origami/congruet triangles. |

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| **3. Content** |
| * Definition. A line that splits an angle into two equal angles * Theorems: If a point is located on an angle bisector, then it is equidistant from the sides of the angle.   C:\Users\gugubau\Downloads\Lets GO\angle2 DUCK.png |

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| **4.Description of Activity** |
| Give to pupils 15cm × 15 cm square papers; to use pencil, ruler, protactor.  It asks the students to build with each folding origami duck and recognize the angles bisectors.  - the students will recognize congruent angles by overlapping;  - to find the angle bisector the students can use also the protactor;  - to justify the property of an angle bisector.   |  |  |  | | --- | --- | --- | | Number of times folded | Congruent Angles | Angle Bisector | | 1 | ACB≡ACD  AB≡AD | [CA  [AC | | 2. | ΔEAC≡ΔFAC | [AC | | 3. | ΔPAE≡ΔPAF | [AC; in folding format B=D=P | | etc |  |  | |

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| **5. Photos** |
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| **5. youtube link:** |
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