

Construction Art Activity

Name: _____

We have learned six constructions so far this year. Your task is to use at least two to create a piece of art. Here are the six we have learned:

- (1) Construct a segment congruent to another segment (p. 31)
- (2) Bisect a segment (p. 39)
- (3) Construct an angle congruent to another angle (p. 47)
- (4) Bisect an angle (p. 48)
- (5) Construct a perpendicular to a line from a point on the line (p. 56)
- (6) Construct a perpendicular to a line from a point not on the line (p. 56)

Your artistic concept should be unique. For example, I might begin by turning construction #6 on its side so that it looks like a "bow and arrow." I could draw Robin Hood holding the bow. Then, I could add another construction and somehow incorporate his Merry Men....
But please do not use Robin Hood...you want to be original!

This will be scored as a classwork grade on the second marking period. I also plan to evaluate your final product as an IB assessment using Criterion B (Reasoning and Application). Follow the rubric below.

| Criteria | Possible Points | Points Earned |
|--|------------------------|----------------------|
| <i>Artwork includes two different constructions on an 8 ½ by 11 inch sheet of paper.</i> | 20 | |
| <i>Constructions are labeled using the numbers above. Arcs and significant points of intersection are visible.</i> | 20 | |
| <i>Constructions are completed accurately.</i> | 20 | |
| <i>A neatly written title is included.</i> | 20 | |
| <i>Artist uses color wisely. The product shows the artist's creativity.</i> | 20 | |
| CLASSWORK TOTAL | 100 | |
| <i>IB scores will be based on the classwork grade...</i> | 93 + | 8 out of 8 |
| | 85 to 92 | 7 out of 8 |
| | 77 to 84 | 6 out of 8 |
| | 70 to 76 | 5 out of 8 |
| | Below 70 | 4 out of 8 |