Lesson 9: Stems

Technical Research Worksheet for your actual robot (not scaled prototype).

Working together in your group to complete the following tables:

1. Material Properties

Use the following websites <http://www.technologystudent.com/joints/matprop1.htm>

<http://www.technologystudent.com/joints/matprop2.htm>

to describe relevant properties for your actual robot (not scaled prototype) Avoid those properties that are not suited.

|  |  |
| --- | --- |
|  properties | describe the benefits of this property for your robot |
|  |  |
|  |  |
|  |  |
|  |  |

Material Examples

Use the following websites: <http://www.bbc.co.uk/bitesize/ks2/science/materials/material_properties/read/1/>

<http://www.bbc.co.uk/bitesize/ks2/science/materials/material_properties/play/>

Select specific materials that can be used for your robot.

|  |  |
| --- | --- |
| Materials | describe the benefits of this property for your robot |
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**Power sources**

Use the following websites:

<http://www.enwin.com/kids/electricity/power_sources.cfm>

<http://www.azorobotics.com/Article.aspx?ArticleID=139>

Select specific power sources that can be used for your robot. (Only select relevant ones)

|  |  |
| --- | --- |
| Power source | describe the benefits of this power source for your robot |
|  |  |
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|  |  |

**Method of movement**

Use the following websites:

<http://www.popularmechanics.com/technology/robots/g420/best-movement-in-robotics/?slide=1>

<http://education.nationalgeographic.com/activity/exploring-how-robots-move/>

Select specific methods of movement that can be used for your robot. (Only select relevant ones)

|  |  |
| --- | --- |
| Methods of movement  | Describe the benefits of this method of movement for your robot  |
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