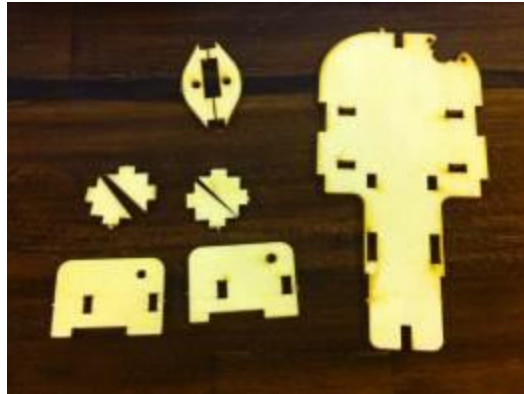


T-Rex lesson plan #1



Distribute the wooden plates to students. Ask students to disassemble the card's parts as shown in the left photo. Then, place all disassembled pieces on the table together, and paint wooden plates. While the plates dry, begin assembling the card.



After filing these pieces well, place the base on the table with the switch's hole is on the left (as shown in the photo). Then, glue the servo's walls.



Glue the triangles in their place. Notice that all parts, triangles and walls, are glued to the same side.



Glue the walls to their place on the triangles. After gluing, strengthen connections if needed.

Give a short lecture on the dinosaur – see the attached “Archaeopteryx Information Sheet”

Time in minutes	Activity name	Comments
5	Attendance	- Mark attendance sheet - Indicate date
25	Color wooden plate	- Notice order of operation, keep room clean, write names on plates
15	Assemble card	- let students try on their own
10	Dinosaur lecture	- You can play hangman and other riddles
5	Collect parts	- Store in safe place
Total: 60 mins		

1. Wooden plate coloring

- Create an organized coloring area with paper tablecloths and plastic plates for the colors!
- Make sure students to not dirty the classroom!!! Thus, spread the tablecloths precisely and stress that no student is allowed to color their plate outside of the coloring area!
- **Coloring will only take place in the designated area! All students must color their plates! (Students who miss this lesson will not be able to color their robot!)**
- It is recommended to color the robot in one color, and not mix several colors. Every robot can have a different color.
- Hand out wooden plates to kids, and explain to them that the coloring process is very important.
 1. The paint adds another layer to the parts, which allows them to connect to each other better.
 2. The paint prevents future damage to the wood.
- Hand out a sponge to each student. Explain that they must dip the sponge in the paint, squeeze it and only then use the sponge to apply the paint on the wooden plate.
- After the students are done painting one side of the plate, they must use toilet paper to soak all liquid that's on the wood. **The wooden plate must be as dry as possible!**
- Only after one side is dry, students may turn over the plate and go through the same process – painting and drying.
- Once the students finish painting, put all the wooden plates aside to dry and tell each student to write their name on their plate.
- All plates and sponges will be washed by the instructors after class.
- Fold up the tablecloth and return it to your instructor's case until the next time you need to use it. **DO NOT throw away the tablecloth nor any sponges and plates!**

Hangman

- Students must guess the dinosaur's name by playing hangman
- Draw empty lines equal in number to the number of letters in the dinosaur's name (13 in our case)

- Students must guess letters (make sure they don't all talk at once, they have to raise their hand. This is a great way to get all students' cooperation – including the quiet ones.)
- If they guessed correctly, write the letter in its right place (if the letter appears more than once, write it in all its places)
- If they guessed a wrong letter, write that letter on the side and begin drawing the hangman. Each mistake is equivalent to a line/circle in the drawing (if a wrong letter is guessed for the second time, do not draw an additional part. Instead, just tell the student it's already been guesses).

