

Activity sheet

The earth...a spinning top: preschool

 = minimally guided activity

Activity available **here**

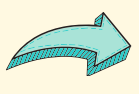


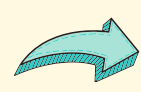
What is your student learning?

- To add a background.
- To add sprites to the scene.
- To use a starter block (yellow blocks).
- To use a movement block (blue blocks).
- To use an appearance block (purple blocks).
- To use the grid to plan movements.
- To use a control block (orange blocks).

Programming concepts

Event:  **Green flag;** we can compare it to a word that begins a sentence.

Sequence:  A series of blocks; we can compare it to a sentence which provokes an action.

Loop :  Blocks that allows you to repeat a sequence of movements ; we can compare the loop to a teacher who repeats the same instructions several times.

Pedagogical exploitation ideas

Solar system

Knowledge related to cognitive development (science and technology).

Search of explanations and consequences in relation with natural elements and natural phenomena.

Programming challenges

Challenge #1: Place the earth in the center and make it spin like a spinning top.

Challenge #2: Make the moon travel around planet earth several times.

Additional challenge: Add the shooting star sprite then program the star to move on the screen.

Feedback

- How do you make the earth rotate on itself? Which block allows us to do this?
- What is the loop block for?
- Did anyone complete the extra challenge?

Additional resources ...

Video : The Super Simple Show - Space!

https://www.youtube.com/watch?v=9WjrsoQ0IW0&ab_channel=SuperSimpleTV-KidsShows%26Cartoons

The planet song for kids:

https://www.youtube.com/watch?v=mQrlgH97v94&ab_channel=KidsLearningTube

Video : The axes of rotation

https://www.youtube.com/watch?v=9n04SEzuvXo&ab_channel=LittleOrisek1

