

How to write games, animations and stories using

SCRATCH

for primary schools

Lesson Plan 10 Project

Mathematical Skills / Concepts

Scratch Features

Curricular Links

Problem Solving

All Previously Learned Skills

All Curricular Areas

Learning Objectives

The child will:

- Set out their own goals for a project.
- Plan, create and edit a Scratch project.

Teacher Tip

Provide some suggestions for children but for the most part, encourage their own individual ideas.

Introduction

Many teachers use project work as a means to assess children's learning. Project work also enables greater integration of different curricular areas. By using project work in Scratch you allow the children to create personally relevant projects, at their own pace and ability level, within the parameters of the curriculum. Children can work in groups, pairs or individually.

Curricular Areas

| Curricular Area | Possible Projects |
|-----------------|---|
| Mathematics | <ul style="list-style-type: none">• Design a game to teach a younger class a maths idea e.g. teach 2nd class how to add quarters• Children must design a real life example of a Maths problem |
| Gaeilge | <ul style="list-style-type: none">• Cruthaigh cartún de scéal/dán/amhrán• Cruthaigh tionscadal a bhaineann le téama áirithe m.sh An Aimsir• Cruthaigh cluiche a mhúineann foclóir/frásaí do pháistí óga |
| English | <ul style="list-style-type: none">• Animate a story/poem/song• Create a summary of a novel chapter/picture book• Create movies/cartoons |
| History | <ul style="list-style-type: none">• Animate specific periods in history e.g. Civil Rights in America• Pretend you are a character from history and tell us your story (include images and accurate information) |
| Geography | <ul style="list-style-type: none">• Create an educational cartoon e.g. Farm Safety• Create an animation/game that teaches us about rivers/ mountains/a country |
| Science | <ul style="list-style-type: none">• Create a game that teaches us about healthy eating• Animate an experiment• Animate the life cycle of the butterfly |
| Art | <ul style="list-style-type: none">• Animations• Pen drawings• Download images of famous artwork. Record a commentary on the pieces or their artists |
| Music | <ul style="list-style-type: none">• Create a piece of music to accompany an animation/ image• Record yourself/friends singing or playing music and create a cartoon or game around it |

| | |
|----------|--|
| Drama | <ul style="list-style-type: none"> • Role on the Wall – Create an animated character from a story you have read e.g. The Big Bad Wolf • Plan and create a movie including plot |
| P.E. | <ul style="list-style-type: none"> • Design an animation that teaches people how to play a sport or a game |
| S.P.H.E. | <ul style="list-style-type: none"> • Create animations of social stories e.g. “How do I show people I’m upset?” |

Ultimate Challenge!

1. Decide on a subject area.
2. Decide on a topic.
3. Plan your animation / movie / game.
4. Use as many different Scratch blocks as you can.
5. Get ideas from other people / books / other projects on <http://scratch.mit.edu>
6. Debug and perfect your project.
7. Find an audience and get some feedback!

Notes