

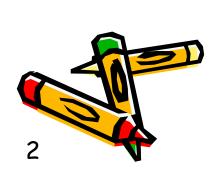
Learning is Best When Learning is Fun!



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KPL-easy

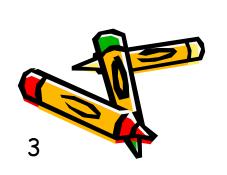
```
1 Program UFO
                                                UFO - Stopped
       Method Main()
                                                 11 🚔
                                                Define myUFO As Sprite
           myUFO = LoadSprite( "UFO", "UFO.GIF" )
           myUFO.MoveTo( 50, 0 )
           myUFO.Show()
 8
10
           Define ufoY As Integer
           For ufoY = 1 To 150
11
               Delay(10)
12
               myUFO.MoveTo( 50, ufoY)
13
14
           Next
       End Method
16
  LEnd Program
```





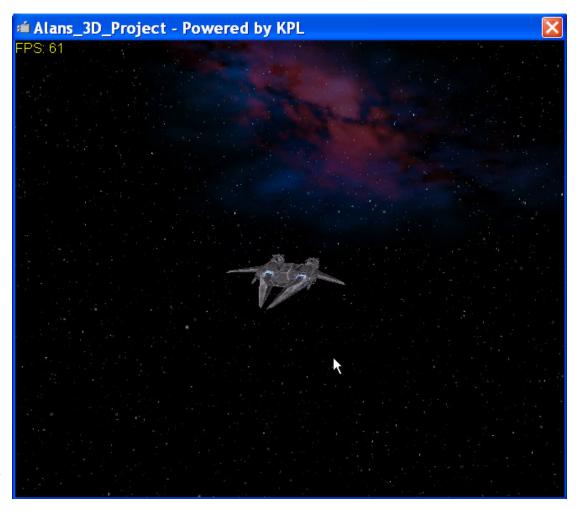
Why easy?

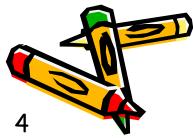
- A future accountant or math teacher or engineer or scientist starts learning simple addition and multiplication in elementary school.
- In high school and university students begin to apply math to accounting or science or engineering.
- Similarly with KPL, students start to learn computer programming in an easy way.



 Though KPL starts easy, there is much real computer science to learn in KPL. And KPL prepares students well to "graduate" to other modern languages.

KPL-fun





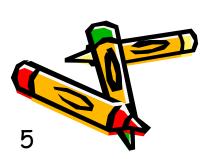
KPL v 2 allows a beginning programmer to display and control a 3D spaceship model – with 45 simple instructions!



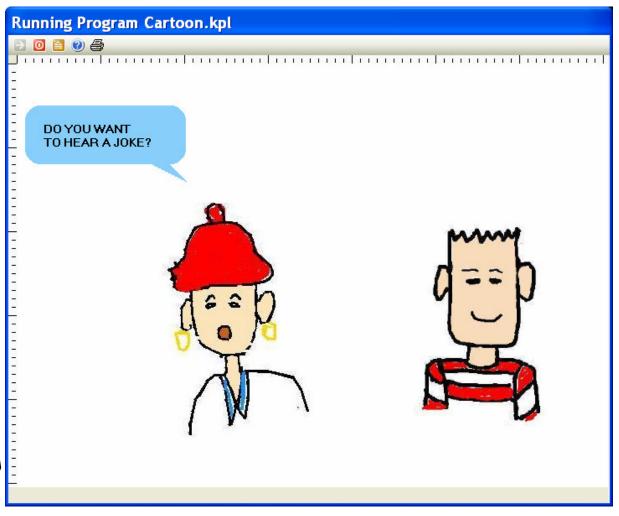
Why fun?

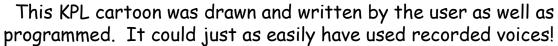
- Students learn best when the learning is fun.
- Learning programming as a skill is best begun through creation of games or digital art - because while this is real programming, it is also fun and engaging.
- Even for other subjects, such as math or physics or vocabulary, KPL can make learning very interactive, and can disguise the learning as a game.





KPL-creative

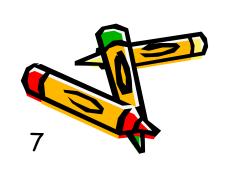




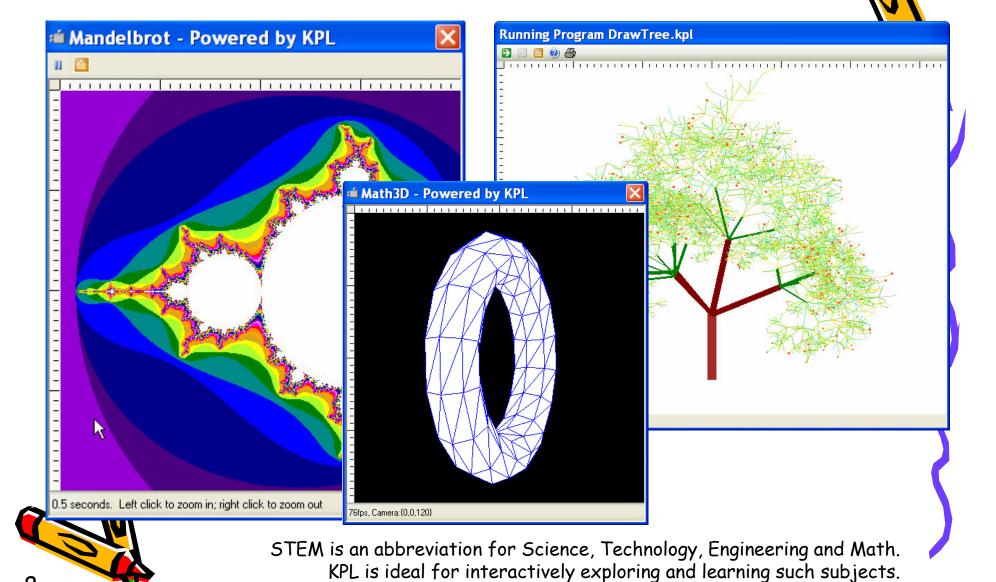
Why creative?

- Enabling beginners to express their imaginations and creativity is a very important goal for KPL, because it's an important encouragement for any student.
- Some beginners are more interested in art or sound or stories than they are in programming. KPL works just as well for them, by allowing them to emphasize their own interests in the KPL programs they create.

 Even if a beginner's interest is in art or sound or stories, they will learn the basics of KPL in order to use those in a program. And they will have fun doing it!

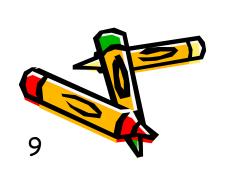


KPL-STEM



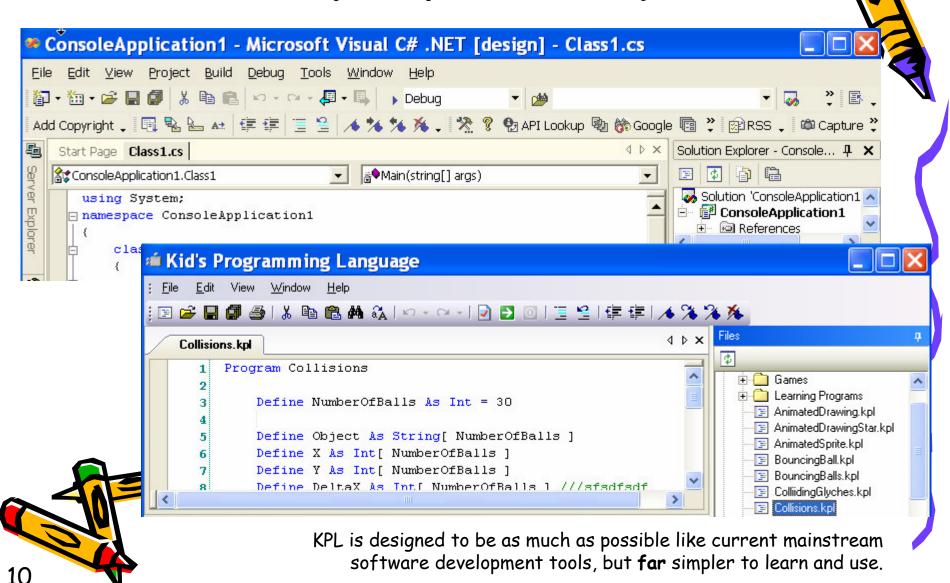
Why STEM?

- Science, Technology, Engineering and Math are disciplines which are interesting, challenging, and can be the basis of excellent careers.
- These careers are also critical to the technological futures - and thus the economies - of all countries.
- STEM careers are open to all students all they need is access and encouragement in their study.



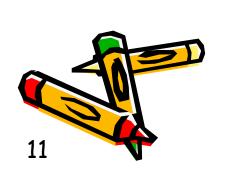
 STEM careers have an unfortunate gender bias toward males. Introducing girls to these concepts at a young age is the best way to change this.

KPL-preparatory



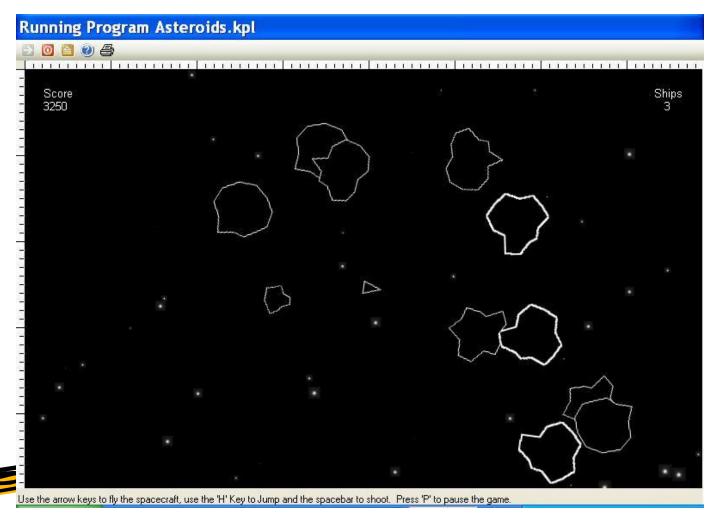
Why preparatory?

- The success of previous beginner programming languages such as LOGO was limited because they did not prepare users to "graduate" to mainstream languages and tools.
- KPL is carefully designed to be consistent with the most popular programming languages and tools in use today, including Java, Python, VB.NET, C#, Eclipse and Visual Studio. This is the best way to enable students who will progress further as programmers.



 Even students who do not pursue programming further will benefit from learning and practicing standard computer and software usage.

KPL-progressive



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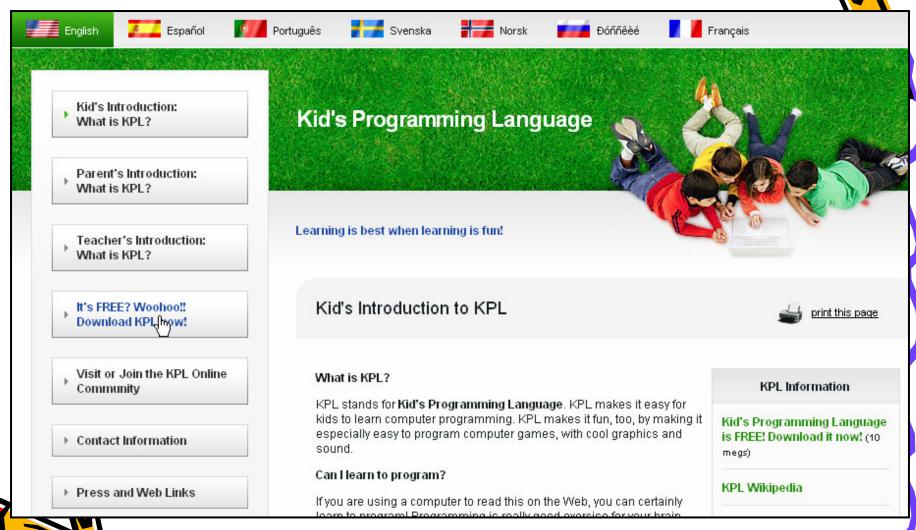
Progressive in this sense means that there are years of learning and progress available to students and teachers within KPL.

Why progressive?

- Particularly for the youngest students, it is critical that there are years of learning and growth and creativity available within KPL.
- It is primarily university-level Computer Science curriculums which will require students to move beyond KPL's features and capabilities.
- Some of the advanced topics available for study with KPL include trigonometry, physics, digital animation (2D or 3D), interactive code debugging, recursion, graphing and vector math, class-based programming,

and using and creating software class libraries that extend KPL's capabilities.

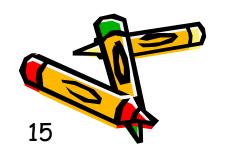
KPL-success



KPL was downloaded 90,000 times in its first nine months - and is only getting started! And KPL is already available in 18 international languages.

Why success?

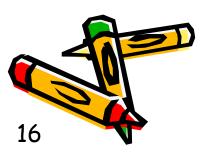
- Because no one has been thinking about beginning programmers for 20 years.
- Because computer and software skills are valuable personally, nationally, and globally.
- Because games and graphics are the best possible ways to interest beginners in learning to program.
- Because there is a Computer Science crisis in much of the world, and KPL is ideal for addressing it.



Because KPL is as much fun as it looks!

You're Invited!

- Website: www.k-p-l.org
- We welcome volunteer participation in the community
- Can you help spread the word? KPL to date has had \$0 of outside assistance, and no advertising or PR



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